

STIC Search Report Biotech-Chem Library

STIC Database Tracking Number: 156889

TO: Phuong N Huynh Location: 3d75 / 3c70 Tuesday, June 21, 2005

Art Unit: 1644

Phone: 571-272-0846

Serial Number: 09 / 202464

From: Jan Delaval

Location: Biotech-Chem Library

Remsen 1a51

Phone: 571-272-2504

jan.delaval@uspto.gov

Search Notes		
	·	
·		



Delaval, Jan

From:

Huynh, Phuong N.

Sent:

Thursday, June 16, 2005 12:36 PM

To: Subject: Delaval, Jan RE: 09/202,464

Jan,

Please search peptide of SEQ ID NO: 4, 6-10, 12-14, 16-18, 21-27, 29, and 32-36 (close) against interference databases.

Thanks,

Neon Art Unit 1644 Office REM 3D75 Mail REM 3D70 Tel (571) 272-0846

Scientific and Technical Information Center

SEARCH REQUEST FORM

		Fuemi	nor#.	Date:
Requester's Full Name:	Di Marsaham 7		erial Number	
Art Unit:	() (=:11= a.v. #).	Results	Format Preferred (c	ircle): PAPER DISK
Location (Bldg/Room#):	**********	*******	*******	******
To ensure an efficient and qual				
Title of Invention:				
Inventors (please provide fu				
Earliest Priority Date:				
elected species or structures, key Define any terms that may have	owords, synonyms, acrony a special meaning. Give	ems, and registry numbers, examples or relevant citati	ons, authors, etc., if know	vn.
For Sequence Searches Only appropriate serial number.	Please include all pertino	ent information (parent, ch	ild, divisional, or issued	patent numbers) along with the
	•	•		
				•
			•	
		+++++	******	******
STAFF USE ONLY	Type	of Search	Vendors and cost	where applicable
	٠.	NA Sequence (#)	•	Dialog
Searcher:				
Searcher Phone #:		AA Sequence (#) 25		bitLexis/Nexis
Searcher Location:		Structure (#)	Westlaw	
Date Searcher Picked Up:	120105	Bibliographic		uence systems
Date Completed:	21/05	Litigation	· Lommercial Interference	Oligomer Score/Length SPDI Encode/Trans
Searcher Prep & Review Time:		Fulltext	Ot	her (specify)
	+25			
Online Time:	· • J	Other		

```
Sequence 28, Appl
Sequence 31, Appl
Sequence 714, Appl
Sequence 714, App
Sequence 714, App
Sequence 174, App
Sequence 120, App
                                                                                                                                           June 20, 2005, 14:14:01 ; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 11,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (egn2_6/prodata/2/pubpaa/USO7_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pep:*
(cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pep:*
(cgn2_6/prodata/2/pubpaa/USO6_NEW_PUB.pep:*
(cgn2_6/prodata/2/pubpaa/PCTUS_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/PCTUS_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO8_NEW_PUB.pep:*
(cgn2_6/prodata/2/pubpaa/USO8_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO8_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO9_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO9_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO9_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO9_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO9_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO9_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_PUBCOMB.pep:*
(cgn2_6/prodata/2/pubpaa/USO0_NEW_PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-354-240-30

US-10-354-240-30

US-10-354-240-31

US-10-402-954-42

US-09-802-191-714

US-09-802-171-714

US-09-802-171-714

US-09-071-838-150

US-09-071-838-244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-354-240-11
US-10-354-240-29
                                                                                                                                                                                                                                                                                                                                                                                                                                 1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Published_Applications_AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                 OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                         102
1 IFSKNLNIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                   BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ü
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14
10
10
11
17
                                                                                                                                                                                                                                                 US-09-202-464-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Perfect score:
                                                                                                                                                                                                                                                                                                                                                        Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence:
                                                                                                                                                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database
                                                                                                                                                   Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ģ
```

Sequence 244, App Sequence 116, App	equence 529	e 525	9 11	e 44	12,	e 22	9 12	3,	65,	e 65,	65	19	12,	101	456	21,	35,	72,	ť,	72	72	equence 335,	equence 292,	367,	99 ;	e 10,	a 10,	e 10,	9 191	67	e 175	e 67,
-213-51 -936-23	-10-012-542-52	0-115-123-52	0-206-699-11	S-10-174-613-	-741-10	0-405-339-2	-918-366-	-61	67-460-6	0-777-829-6	818-067	185-050	27-180-	394-980-1	-436-	181-654-2	8-10-181-6	9-813-333-7	9-362-179-1	-10-044-703-	-239-103-7	-09-834-765-	-834-765-29	-834-765-36	-416-24	0-164-030-1	0-460-125-1	0-460-124-1	-10-639-06	-10-059-261-6	-10-059-261-1	US-10-627-649-67
14	14	14	14	14	σ	14	17	12	σ	17	11	14	σ	12		14	14	σ	10	23	12	6	σ	σ	16	14	15	12	16	74	14	16
10	13	13	14	14	11	17	17	20	10	10	10	12	14	15	16	18	18	20	70	20	70	6	10	10	10	14	14	14	14	17	17	11
30.4 29.4	29.4	29.4	ð	σ	29.4	29.4	29.4	σ	œ	28.4	œ	œ	α	œ	28.4	Ф	æ	28.4	28.4	28.4	8.	27.5	7.	7	۲.	7	7	7	7.	۲.	7.	7
31	30	30	30	30	30	30	30	30	53	5	5	59	5	53	5	53	53	53	53	53	53	28	28	58	28	58	28	28	28	58	78	28
12 13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	29	30	31	32	33	34	35	36		38				42	43	44	45

ALIGNMENTS

```
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Towna, Akiko
APPLICANT: Towna, Akiko
APPLICANT: Tiwana, Akiko
APPLICANT: Kino, Kohsuke
ITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-1031
CURRENT FILING DATE: 203-01-29
PRIOR APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US/309/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 11
SEQ ID NO 11
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 102; DB 14;
100.0%; Pred. No. 5.7e-10;
tive 0; Mismatches 0;
                                      Sequence 11, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 IFSKNLNIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 IFSKNLNIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 20, Conservative
                        US-10-354-240-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-354-240-11
RESULT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
```

g

us-09-202-464-10.rapb

```
JOHNSTAIL INFORMATION:
JOHNSTAIL INFORMATION:
JOHNSTAIL INFORMATION:
JOHNSTAIL INFORMATION:
JOHNSTAIL INFORMATION:
JOHNSTAIL INAMA, Akiko
JOHNSTAILICANT: Nama, Akiko
JOHNSTAILICANT: Nama, Akiko
JOHNSTAILICANT: Nama, Akiko
JOHNSTAILICANT: Nama, Akiko
JOHNSTAILICANTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
JOHNSTAILICANTON NUMBER: US/10/354,240
JOHNSTAILING DATE: 1997-03-10
JOHNSTAILING DATE: 1998-09-09
JOHNSTAILING DATE: 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sequence 31, Application US/10354240 |
| Sequence 31, Application US/10354240 |
| Publication No. US20030185847A1 |
| GENERAL INFORMATION: |
| APPLICANT: Sone, Toshio |
| APPLICANT: Iwama, Akino |
| TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disean |
| FILE REFERENCE: SPO-103D1 |
| CURRENT FILING DATE: 1997-03-10 |
| PRIOR APPLICATION NUMBER: PCT/JP97/00740 |
| PRIOR PILING DATE: 1998-09-09 |
| WUMBER OF SEQ ID NOS: 174 |
| SEQ ID NO 31 |
| SEQ ID NO 31 |
| WUMBER OF ELEMANT: IS |
| WUMBER OF E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (1). (15)
CTHER INFORMATION: Cryjl peptide, Figure 1, Row US-10-354-240-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 38.2%; Score 39; DB
80.0%; Pred. No. 15;
tive 1; Mismatches
                                                                                                                                                                                                                                               US-10-354-240-28; Sequence 28, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Cryptomeria japonica
                                                6 LNIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ||| |:||||
6 IFSGNMNIKL 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 IFSKNLNIKL 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 5
                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Kume, Akinori
APPLICANT: Mama, Akinori
APPLICANT: Iwama, Akino
CURRENT: SIO-1030
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NOS 300
LENGTH: 15
                                                                                                                                                                                                                                               APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
AITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ·.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 58.8%; Score 60; DB 14; Length 15; Best Local Similarity 73.3%; Pred. No. 0.0046; Matches 11; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 57.8%; Score 59; DB 14; Length 15; Best Local Similarity 73.3%; Pred. No. 0.0068; Matches 11; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 15
US-10-354-240-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (1).7(15)
CTHER INFORMATION: Cryjl peptide, Figure 1, Row 16
US-10-354-240-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/354,240;
CURRENT FILING DATE: 2003-01-29;
PRIOR APPLICATION NUMBER: PCT/JP97/00740;
PRIOR FILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524;
PRIOR APPLICATION NUMBER: US 09/142,524;
PRIOR FILING DATE: 1998-09-09;
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 29;
LENGTH: 15
                                                                      Sequence 29, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 30, Application US/10154240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 IFSKNLNIKLNMPLY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-354-240-30
                               US-10-354-240-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
```

```
Publication No. US20030175858A1
                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                 Sequence 42, Application US/10402954;
Publication No. US2003017524341
; Fublication No. US2003017524341
; Fublication No. US2003017524341
; Fublication No. US2003017524341
; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses;
FILE REFERENCE: D16813
; CURRENT APPLICATION NUMBER: US/10/402,954
; CURRENT FILING DATE: 1999-10-04
; PRIOR FILING DATE: 1999-10-04
; PRIOR PLING DATE: 1999-10-04
; PRIOR FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin Ver. 2.2
; SEQ ID NO 42
                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 714, Application US/09809391

Publication No. US20030049618A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: 186 Human Secreted proteins

FILE REFERENCE: PZ002P2

CURRENT FILING DATE: 2001-03-16

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 761

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 714

LENGTH: 13
                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                    37.3%; Score 38; DB 14; Length 15; 77.8%; Pred. No. 23; tive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 34.3%; Score 35; DB 10; Length 13; 60.0%; Pred. No. 61; tive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 37; DB 14; Length 19;
Pred. No. 43;
3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 714, Application US/09882171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Ad3 fiber Mastadenovirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 50.0%;
Matches 6; Conservative
                  Query Match
Best Local Similarity 77.8'
Pest Local 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 34.3
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 KNKNVSINVELY 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 KNLNIKLNMPLY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 NMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |:|: | |||
1 NVPILILGNK 10
                                                                                                                    12 MPLYIAGNK 20
                                                                                                                                                         2 MPMYIAGYK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
US-09-809-391-714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 8
US-09-882-171-714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-809-391-714
US-10-354-240-31
                                                                                                                                                                                                                                       US-10-402-954-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-402-954-42
                                                                                                                                                       임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                    ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
```

```
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICATT: Ruben et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILLE REFERENCE: PZ002P2
CURRENT FILING DATE: 2001-06-18
PRIOR APPLICATION NUMBER: 09/809,391
PRIOR PILING DATE: 2001-06-18
PRIOR PILING DATE: 1998-09-08
PRIOR FILING DATE: 1998-09-08
PRIOR FILING DATE: 1998-09-08
PRIOR FILING DATE: 1999-03-06
PRIOR FILING DATE: 1997-03-07
PRIOR PLING DATE: 1997-03-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1997-03-07
APPLICATION NUMBER: 60/040,163
FILING DATE: 1997-03-07
APPLICATION NUMBER: 60/047,600
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,502
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,633
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/047,615
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/047,503
FILING DATE: 1997-05-23
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/047,500
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/047,601
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/043,580
FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 60/047,583
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,584
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,596
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/047,612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1997-05-23
```

```
R FILING DATE: 1997-04-11
R APPLICATION NUMBER: 60/043,313
R FILING DATE: 1997-04-11
R FILING DATE: 1997-04-11
R FILING DATE: 1997-04-11
R APPLICATION NUMBER: 60/043,515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/048,974
FILING DATE: 1997-06-06
APPLICATION NUMBER: 60/056,886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/056,877
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,630
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,662
FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/056,872
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,888
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,894
ALING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,636
FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,910
                                            APPLICATION NUMBER: 60/043,314
FILING DATE: 1997-04-11
                                                                                                     APPLICATION NUMBER: 60/043,569
FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/043,311
                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/043,669
FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,864
                                                                                                                                                                                                               APPLICATION NUMBER: 60/043,671
FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/043,674
FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/043,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/056,874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1997-08-22
                                                                                                                                                                                         FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
PRILICAR PRI
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "US-10-164-861-714

Sequence 714, Application US/10164861

Fublication No. US20030225248A1

GENERAL INFORMATION:
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: PZ002P1

CURRENT APPLICATION NUMBER: US/10/164,861

CURRENT FILING DATE: 2002-06-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 35; DB 1
Pred. No. 61;
2; Mismatches
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,599
PRIOR FILING DATE: 1997-05-23
PRIOR PELING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,590
PRIOR PELING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,589
PRIOR PELING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,589
PRIOR PELING DATE: 1997-05-23
PRIOR PELING DATE: 1997-05-23
PRIOR PELING DATE: 1997-05-23
PRIOR PELING DATE: 1997-06-23
PRIOR PELING DATE: 1997-04-11
PRIOR PELING DATE: 1997-04-11
PRIOR PELING DATE: 1997-04-11
PRIOR PELING DATE: 1997-04-12
PRIOR PELING DATE: 1997-06-25
PRIOR PELING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,817
PRIOR PELING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:|: | |||
NVPILILGNK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
```

```
APPLICANT: Fischer, Robert L.
APPLICANT: Pischer, Tomohiro
APPLICANT: Ohad, Nir
APPLICANT: Yadegari, Tomohiro
APPLICANT: Yadegari, Ramin
APPLICANT: Yadegari, Ramin
APPLICANT: Harada, John
APPLICANT: The Regents of the University of California
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Combinations of Nucleic Acids That Control Seed and
TITLE OF INVENTION: Pruit Development in Plants
TITLE OF INVENTION: 203070-0861100S
CURRENT FILING DATE: 2002-08-06
PRIOR APPLICATION NUMBER: US/10/213,512
PRIOR APPLICATION NUMBER: US/09/177,206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Indels
                                                                                                                                                     Acids That Control Seed and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,838
FILING DATE: 01-MAY-1998
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 023070-086100US
TELECOMMUNICATION: INFORMATION:
                                                                                               APPLICANT: Harada, John
APPLICANT: Goldberg, Robert B.
TITLE OF INVENTION: Nucleic Acids That Control 5
TITLE OF INVENTION: Fruit Development in Plants
NUMBER OF SEQUENCES: 324
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 244, Application US/10213512
Publication No. US20030110536A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INPORMATION FOR SEQ ID NO: 244:
SEQUENCE CHARACTERISTICS:
                         Kiyosue, Tomohiro
Yadegari, Ramin
Margossian, Linda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 NIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |:| ::|:|
1 NLKNHLPIYYLINR 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 30.4
Best Local Similarity 35.7
Matches 5; Conservative
                                                                                                                                                                                                                                                              STREET: Two Encourage CITY: San Francisco cuatE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear

MOLECULE TYPE: peptide
US-09-071-838-244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JS-10-213-512-244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 150, Application US/1077893

Sequence 150, Application US/1077893

Publication No. US20550003450A1

GENERAL INFORMATION:
APPLICANT: Cell Signaling Technology, Inc.
APPLICANT: ZHANG, Hui
APPLICANT: ZHANG, Hui
APPLICANT: ZHANG, Hui
APPLICANT: ZHANG, Hui
APPLICANT: CONEL Michael J.
APPLICANT: CONEL Michael J.
APPLICANT: CONEL MICHAEL J.
APPLICANT: ON UNBER: US/10/777,893

CURRENT TILING DATE: 2004-02-12
PRIOR PELLING DATE: 2004-02-14
PRIOR PELLING DATE: 2000-06-19
PRIOR PELLING DATE: 2000-03-24
PRIOR PELLING DATE: 2000-03-24
PRIOR PELLING DATE: 2000-03-24
PRIOR PELLING DATE: 2000-03-24
PRIOR PELLING DATE: 2001-06-21
PRIOR PELLING DATE: 2001-06-21
PRIOR PELLING DATE: 2001-06-21
PRIOR FILING DATE: 2001-06-21
PRIOR FILING DATE: 2001-06-21
PRIOR FILING DATE: 2001-11-08
NUMBER OF SEQ ID NOS: 163
SEQ ID NO 150
LENGTH.
LENGTH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; LOCATION: (2) - (2) ... (2) ... o'THER INFORMATION: PHOSPHORYLATION; tyrosine at position 2 is phosphorylated US-10-777-893-150
                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30.4%; Score 31; DB 17; Length 11; llarity 71.4%; Pred. No. 2.4e+02; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                  DB 15; Length 13;
                                                                                                                                                                                                                                                                                                                                                   2; Indels
                                                                                                                                                                                                                                                                                                  Score 35; DB 1
Pred. No. 61;
2; Mismatches
                 PRIOR FILING DATE: 1998-09-08
PRIOR APPLICATION NUMBER: PCT/US98/04493
PRIOR FILING DATE: 1998-03-06
NUMBER OF SEQ ID NOS: 757
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 714
LENGTH: 13
PRIOR APPLICATION NUMBER: US/09/149,476
PRIOR FILING DATE: 1998-09-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 244, Application US/09071838
Patent No. US20020125501A1
GENERAL INFORMATION:
APPLICANT: Fischer, Robert L.
                                                                                                                                                                                                                                                                                                  34.3%;
                                                                                                                                                                                                                                                                                                                                                6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                             1 NVPILILGNK 10
                                                                                                                                                                                                                                                                                                                                                                                                 11 NMPLYIAGNK 20
                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10 LUMPLYI 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | | | | | | :
4 LNMPAYV 10
                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MOD RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-071-838-244
                                                                                                                                                                                                                                                 US-10-164-861-714
                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
```

9

```
US-10-012-542-525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 525
                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 525, Application US/10012542

Publication No. US20030044851A1

GENERAL INFORMATION:

APPLICANT: RUben et al.

TTILE OF INVENTION: 94 Human Secreted Proteins
FILE REFERENCE: PZ029P1

CURRENT APPLICATION NUMBER: US/10/012,542

CURRENT FILING DATE: 2001-12-12

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325

PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14

PRIOR APPLICATION NUMBER: BARLIER APPLICATION NUMBER: 60/089,507

PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510

PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-06-22

PRIOR PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22

PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
                                                                                                                                                                                                                                                              ;;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 29.4%; Score 30; DB 17; Length 10; Best Local Similarity 75.0%; Pred. No. 3.2e+02; Matches 6; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                          Score 31; DB 14; Length 18;
Pred. No. 4.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 116, Application US/10936237
Publication No. US20050106563A1
GENERAL INFORMATION:
APPLICANT: HUANG, JEN-PIN
APPLICANT: CHEN, LEE-HSUAN
TILLE OF INVENTION: EPITOPE PROFILE OF SARS CORONAVIRUS
FILE REFERENCE: 09468.0004
CURRENT FILING DATE: 2044-09-08
NUMBER OF SEQ ID NOS: 195
SOFFWARE: Patentin version 3.2
SEQ ID NO 116
LENGTH: 10
                                                                                                                                                                                                                                                           4; Indels
                                                                                                                                                                                                                                                           5; Mismatches
                                                                                                                                                                                          Query Match
Best Local Similarity 35.7%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                         7 NIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                             |:| ::|:|
1 NLKNHLPIYYLINR 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: SARS Coronavirus
US-10-936-237-116
                                                       TYPE: PRT;
CRGANISM: Arabidopsis sp.
US-10-213-512-244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7 NIKLNMPL 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 NILLNVPL 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 14
US-10-012-542-525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-10-936-237-116
SEQ ID NO 244
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
0
29.4%; Score 30; DB 14; Length 13; 55.6%; Pred. No. 4.2e+02; ive 4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 30; DB 14; Length 13;
Pred. No. 4.2e+02;
4; Mismatches 0; Indels
                                                                                                                                                                                                                                                           Sequence 525. Application US/10115123

Publication No. US20030065151A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: 94 Human Secreted Proteins
FILE REFERENCE: P2029G30APLD2

CURRENT APPLICATION WUMBER: US/10/115,123

CURRENT FILING DATE: 2002-04-04

PRIOR APPLICATION WUMBER: DCT/US99/13418

PRIOR APPLICATION WUMBER: 60/089,507

PRIOR FILING DATE: 1998-06-16

PRIOR FILING DATE: 1998-06-12

PRIOR FILING DATE: 1998-06-22

NUMBER OF SEQ ID NOS: 532

NUMBER OF SEQ ID NOS: 532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Search completed: June 20, 2005, 15:55:10 Job time : 54.45 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 29.4
Best Local Similarity 55.6
Matches 5; Conservative
  Query Match
Best Local Similarity 55.6
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
CORGANISM: Homo sapiens
US-10-115-123-525
                                                                                                                               3 IFAKHLSVK 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 IFAKHLSVK 11
                                                                                                   1 IFSKNLNIK 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 IFSKNLNIK 9
                                                                                                                                                                                                                      RESULT 15
US-10-115-123-525
```

```
(without alignments)
143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/PCT NEW PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/NSO6_NEW PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/NSO6_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/NSO6_PUBCOMB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/NSO8_NEW PUB.pep:*
7/cgn2_6/ptodata/2/pubpaa/NSO8_NEW PUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/NSO8_NEW PUB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO9_NEW PUB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO9_NEW PUB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO9_NEW PUB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USIOB_NEW PUB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
                                                                                                                                                                                                                           June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                       OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                   US-09-202-464-12
112
1 TIDGRGAEVHIGNGGPCLFM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                       Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                   Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		Appl	Appl	Appl	Appl	Appl	Sequence 5, Appli	App,	App ,	App.	Appli	Appli
		34,	33,	35,	32,	37,	Ä	119	119	119	7	6
	tion	nge -	nce	nce	nce	nce C	Ge 5	nce	nce Ce	nce	nce	ace
	Description	gue	que	gue	gue:	gue	nen Den	gue	g de	g.	g.	gue
	ревс	Š	Š	Š	Š	ၓ	Sec	Š	Š	S	Š	S
		:										
		34	33	35	32	37		119	119	119	~	6
		240-	240-	240-	240-	734-	34-5	548-	146-	755-	163-	-84
		54-	54-;	54-	54-	40	9-5	62-	18-	02-7	64-1	68-7
		10-3	10-3	10-3	10-3	10-5	9-87	0-01	10-9	11-0	7-60	9-01
	ΙD	US-10-354-240-34	ns-	us-	Sn.	S.	13-0	ns-	ns-	us-	US-	ns-
	Ω.	14	14	14	14	18	9	14	17	13	10	15
	r.	15		15	15	18	20	16	91	91	18	18
	Query e Match Length DB I							, ,		•		•
	c ch	2.5	7.0	6.4	5.7	5.7	35.7	3.0	3.0	3.0	9.0	3.0
æ	Αa	9	Ğ	4	m	m	m	'n	'n	m	m	'n
	Score	70,	68	25	40	40	40	37	37	37	37	37
	S	ł ! !										
	Result No.		~	٣	4	ß	9	7	80	σ	10	11

Sequence 4. Appli	4	113,	17,	Ξ	20,	32,	Sequence 32, Appl	16	41, 1	852,	39,	103,	70, 7	197,	4, A	203		215	107,	887,	16	'n	11	_	13	89,	69	102,	e 60,	61,	37,	Sequence 54, Appl	160,	
9 US-09-876-204-4	14 US-10-280-066-467	10 US-09-852-910-113	14 US-10-373-540-17		US-10-732-345-	9 US-09-908-322-32	us-o	US-1		ns-0	US-10-	US-09-747-2	US-09-874-	17 US-10-874-923-197	US-10-	15 US-10-356-257-203	14 US-10-152-158-2	US-1	17 US-10-607-595-107	US-1	16 US-10-473-134-16	US-1	US-1	US-1	15 US-10-466-205-13	US-11-028-	US-11-028-53	US-11-028-	15 US-10-469-837-60		10 US-09-894-594-37	10 US-09-894-594-54	14 US-10-082-830-160	ALIGNMENTS
1 20	1 20	5 13	5 13	5 13	5 15	5 16	5 16	5 20	5 20	9	9	6 16	9 16	6 16	7	7 11	7 13	7 13	7 13	7 15	7 17	7 18	7 . 18	2 19	6 8		7	10	8 13	8 13	15	8 15	8 15	
32.	32.	29.		29.	29.	29.	29.	29.	29.	æ	8	8	28.	28.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.		ø	26.8		26.	26.	76.	26.	76.	
36	36	33	33	33	33	33	33	33	33	32	32		32	32			31	31	31	31	31	31	31	30.5		30	30	30	30	30	30	30	30	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	

ſΩ
2,
H
~
~
ш
~
€:
z
7 to
\circ
H
. 3
-
æ

JS-10-354-240-34

RESULT 1

```
US-10-354-240.34

Sequence 34, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:
APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Wama, Akiko

CURRENT PILING DATE: 2003-01-29

PRIOR PILING DATE: 1997-03-10

PRIOR PILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 34

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 62.5%; Score 70; DB 14; Length 15; Best Local Similarity 73.3%; Pred. No. 0.002; Matches 11; Conservative 4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: MISC_FEATURE

1 LOCATION: (1)..[15)

1 LOCATION: CIV..[15]

1 LOCATION: Cryjl peptide, Figure 1, Row 120

US-10-354_240-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
```

ô

Gaps

```
USEQUENCE '32', Application US/10354240

Sequence '32', Application US/10354240

Fublication No. US20030185847A1

FUBLICANT: Sone, Toshio

APPLICANT: Sone, Toshio

APPLICANT: Dairtki, Kazuo

APPLICANT: Iwama, Akinori

APPLICANT: Iwama, Akino

TITLE OF INVENTION: Epptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Disea

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR APPLICATION NUMBER: US 09/142,524

WUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: DONATE, Fernando
APPLICANT: DONATE, Fernando
APPLICANT: JUAREZ, Jose
APPLICANT: JUAREZ, Jose
APPLICANT: JUAREZ, Jose
TITLE OF INVENTION: CELL SURFACE TROPOMYOSIN AS A TARGET OF ANGIOGENESIS INHIBITION
FILE REFERENCE: 28932.att5
CURRENT APPLICATION NUMBER: US/10/507,734
CURRENT FILING DATE: 2003-03-17
PRIOR FILING DATE: 2003-03-17
PRIOR FILING DATE: 2003-03-15
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PATCHIN VERSION 3.2
SOFTWARE: PATCHIN VERSION 3.2
SEQ ID NO 37
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                           ö
                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 14; Length 15;
                           DB 14; Length 15;
                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , OTHER INFORMATION: Cryjl peptide, Figure 1, Row 18
US-10-354-240-32
                           46.4%; Score 52; DB 1480.0%; Pred. No. 0.94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 40; DB 1
Pred. No. 56;
2; Mismatches
                                                                                        2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-507-734-37; Application US/10507734; Sequence 37, Application US/050124794A1; PUBLICATION INFORMATION; APPLICANT: MCCRAE, Keith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 35.7%;
Best Local Similarity 70.0%;
Matches 7; Conservative 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                       Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                     11 IGNGGPCLFM 20
                                                                                                                                                                                                                      1 IGNGGPCVFI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 TIDGRGAEVH 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TFDGRGAQVY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                             US-10-354-240-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
                                                                                                                                                               à
                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 35, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kume, Akinori
APPLICANT: Nama, Akinori
APPLICANT: Nama, Akino
APPLICANT: Nama, Aki
                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Kume, Akinori
APPLICANT: Bairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERRNCE: SPO-103D1
CURRENT FILING DATE: 1031-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SEQ ID NOS: 174
SEQ ID NO 33
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 60.7%; Score 68; DB 14; Length 15; Best Local Similarity 80.0%; Pred. No. 0.004; Matches 12; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 19
US-10-354-240-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 33, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Cryptomeria japonica
6 GAEVHIGNGGPCLFM 20
                                 1 GAQVYIGNGGPCVFI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 TIDGRGAEVHIGNGG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 TFDGRGAQVYIGNGG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
US-10-354-240-35
                                                                                                                                                                                          US-10-354-240-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 35
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
ò
                                                         ద
```

```
Best Local Similarity 46.2%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-918-446-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-11-002-755-119
                                                                                    ò
                                                                                                                                 임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                    ö
                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                    ö
                                                                               Score 40; DB 18; Length 18;
Pred. No. 68;
2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 40; DB 9; Length 20;
Pred. No. 76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING TITLE OF INVENTION: REAGENTS AND METHODS CURRENT APPLICATION NUMBER: US/09/876,204 CURRENT FILING DATE: 2001-06-06 PRIOR FILING DATE: 1998-10-05 NUMBER OF SEQ ID NOS: 7 SOFTWARE: FRSENSEQ FOR WINDOWS Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Rosen et al.
ITILE OF INVENTION: 44 Human Secreted Proteins
ITILE OF INVENTION: 44 Human Secreted Proteins
CURRENT APPLICATION WHER: US/10/062,548
CURRENT FILING DATE: 2002-02-05
PRIOR APPLICATION NUMBER: 09/369,247
PRIOR PILING DATE: 1999-08-05
PRIOR APPLICATION NUMBER: 60/074,118
PRIOR APPLICATION NUMBER: 60/074,118
PRIOR APPLICATION NUMBER: 60/074,157
PRIOR APPLICATION NUMBER: 60/074,137
PRIOR PILING DATE: 1998-02-09
PRIOR PILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074,137
PRIOR APPLICATION NUMBER: 60/074,137
PRIOR APPLICATION NUMBER: 60/074,141
PRIOR APPLICATION NUMBER: 50/074,141
PRIOR APPLICATION NUMBER: 60/074,141
PRIOR APPLICATION NUMBER: 60/074,141
PRIOR PILING DATE: 1998-02-09
NUMBER OF SEQ ID NOS: 172
SEQ ID NO 119
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Mismatches
; OTHER INFORMATION: synthetic sequence US-10-507-734-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 119, Application US/10062548; Publication No. US20030096982A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/09876204
Patent No. US20020052316A1
                                                                         Query Match
Best Local Similarity 50.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 53.3%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 IDGRGAEVHIGNGGP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MDGSGD--HLGGGGP 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Rattus norvegicus
US-09-876-204-5
                                                                                                                                                                              6 GAEVHIGNGGPC 17
                                                                                                                                                                                                                7 GDGTYLGGGGPC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-062-548-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-062-548-119
                                                                                                                                                                                                                                                                                                                                    US-09-876-204-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 5
LENGTH: 20
                                                                                                                                                                                                                             g
                                                                                                                                                                                   ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
```

33.0%; Score 37; DB 14; Length 16;

Query Match

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 37; DB 17; Length 16;
Pred. No. 1.7e+02;
2; Mismatches 5; Indels
                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Rosen et al.
ITILE OF INVENTION: 44 Human Secreted Proteins
FILE REFERENCE: PZ024P1CID3
CURRENT APPLICATION NUMBER: US/11/002,755
CURRENT FILING DATE: 2004-12-03
FRIOR FILING DATE: 2002-05-02
FRIOR APPLICATION NUMBER: 09/369,247
FRIOR FILING DATE: 1999-08-05
FRIOR FILING DATE: 1999-08-05
FRIOR FILING DATE: 1999-02-04
FRIOR FILING DATE: 1999-02-04
FRIOR FILING DATE: 1998-02-09
                                                                                                                                                                                                                                                                                                                                                     GENERAL INCOMPATION:

GENERAL INCOMPATION:

TITLE OF INVENTION: 44 Human Secreted Proteins
TITLE OF INVENTION: 44 Human Secreted Proteins
FILE REFERENCE: PZ024PLC1D1
CURRENT APPLICATION NUMBER: US/10/918,446
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 10/62,548
PRIOR APPLICATION NUMBER: 09/369,247
PRIOR FILING DATE: 1999-08-05
PRIOR FILING DATE: 1999-08-05
PRIOR FILING DATE: 1999-02-04
PRIOR FILING DATE: 1998-02-09
NUMBER OF SEQ ID NOS: 172
SOPTWARE: PATENTIN UMBER: 60/074,141
PRIOR FILING DATE: 1998-02-09
NUMBER OF SEQ ID NOS: 172
SOPTWARE: PATENTIN UMBER: 60/074,141
PRIOR FILING DATE: 1998-02-09
NUMBER OF SEQ ID NOS: 172
SEQ ID NOS: 172
Pred. No. 1.7e+02;
2; Mismatches 5
                                                                                                                                                                                                                                                                                   Sequence 119, Application US/10918446
Publication No. US20050009085A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 119, Application US/11002755
Publication No. US20050079537A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     33.0%;
Similarity 46.2%;
6; Conservative
                                                                                4 GRGAEVHIGNGGP 16
                                                                                                                 | | ::| |||
GTSPEAYVGPGGP 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 GRGAEVHIGNGGP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | | ::| |||
1 GTSPEAYVGPGGP 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                 Publication No. US2 GENERAL INFORMATION
```

```
RESULT 13
US-10-280-066-467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-876-204-4
                                                                                                                                                                                                                                                    LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: library
OTHER INFORMATION: generated random peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 33.0%; Score 37; DB 10; Length 18; Best Local Similarity 46.7%; Pred. No. 1.9e+02; Matches 7; Conservative 2; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 37; DB 19; Length 16
Pred. No. 1.7e+02;
2; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-764-163-2
US-09-764-163-2
Sequence 2, Application US/09764163
Sequence 2, Application Wo. WS20030165825A1
Sequence 2, Publication No. US20030165825A1
SEGNERAL INFORMATION:
APPLICANT: BALINT, Robert F
APPLICANT: BALINT, Robert F
STILE REFERENCE: PARE.002.02US
STILE REFERENCE: PARE.002.02US
CURRENT FILING DATE: 2001-01-16
SPRIOR APPLICATION NUMBER: 60/15,968
SPRIOR APPLICATION NUMBER: 60/15,968
SPRIOR APPLICATION NUMBER: 09/526,126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT HOPE

Sequence 9, Application US/10668778

Sequence 9, Application US/10668778

; Publicarion No. US20040038317A1

; GENERAL INFORMATION:

; APPLICANT: Balint, Robert F.

; APPLICANT: KaloBios, Inc.

; TITLE OF INVENTION: Interaction-Activated Proteins

; CURRENT APPLICATION NUMBER: US/10/668,778

; CURRENT FILING DATE: 2003-09-22

; PRIOR APPLICATION NUMBER: US/09/526,106

; PRIOR APPLICATION NUMBER: US 60/124,339

; PRIOR FILING DATE: 1999-03-15
PRIOR APPLICATION NUMBER: 60/074,341
PRIOR FLING DATE: 1998-02-09
PRIOR PILING DATE: 1998-02-09
PRIOR FILING DATE: 1998-02-09
NUMBER OF SEQ ID NOS: 172
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 119
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 46.2%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 DGRGAEVHIGNGGPC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 EGGGGVAVGGVGGPC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 GRGAEVHIGNGGP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GTSPÉAYVĞPĞĞP 13
                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                              US-11-002-755-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-764-163-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
```

```
APPLICANT: Pillula, Renuka C.
APPLICANT: Pillula, Renee
APPLICANT: Spruyt, Michael
APPLICANT: Spruyt, Michael
APPLICANT: Blume, Arthur J.
APPLICANT: Blume, Arthur J.
APPLICANT: Prendergast, John
APPLICANT: S04-4009011.
TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND:
FILE REPERENCE: 2599-4009012.
CURRENT APPLICATION NUMBER: US/10/280,066
CURRENT FILING DATE: 2002-10-24
NUMBER: OF SEQ ID NOS: 537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: CD40-binding OTHER INFORMATION: Trxpep
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 37; DB 15; Length 18;
Pred. No. 1.9e+02;
2; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-876-204-4

Sequence 4, Application US/09876204

Sequence 4, Application US/09876204

GENERAL NO US200201631

GENERAL INFORMATION:

APPLICANT: Gordon C. Shore et al.

TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING

TITLE OF INVENTION: BASERYS AND METHODS

FILE REFERENCE: 50013/011001

CURRENT FILING DATE: 2001-06-06

PRIOR FILING DATE: 2001-06-06

PRIOR FILING DATE: 1998-10-05

NUMBER OF SEQ ID NOS: 7

SOFTWARE: FastSEQ for Windows Version 4.0

FEAST OF THE OF T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       32.1%; Score 36; DB 9;
46.7%; Pred. No. 3e+02;
tive 4; Mismatches
PRIOR APPLICATION NUMBER: US 60/135,926
PRIOR FILING DATE: 1999-05-25
PRIOR APPLICATION NUMBER: US 60/175,968
PRIOR FILING DATE: 2000-01-13
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 467, Application US/10280066; Publication No. US20030180718A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      33.0%;
                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 DGRGAEVHIGNGGPC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 EGQGGVAVGGVGGPC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 IDGRGAEVHIGNGGP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MDGSGEQ--LGSGGP 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 46.7<sup>1</sup>
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 46.7
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Mus musculus
```

```
1 MGNGIKCLF
                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-373-540-17

Sequence 17, Application US/10373540

Sequence 17, Application Wo. US20030162258A1

Sequence 17, Application No. US20030162258A1

SETTLE OF INVENTION: Heidi

APPLICANT: HAMM, Heidi

TITLE OF INVENTION: USES THEREOF

TITLE OF INVENTION: USES THEREOF

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: 0290-29 (NU 99037)

CURRENT APPLICATION NUMBER: US/10/373,540

CURRENT APPLICATION NUMBER: US/09/489,156

FRIOR APPLICATION NUMBER: US/09/489,156

NUMBER OF SEQ ID NOS: 47

SEQ ID NO 17

LENGTH: 13

MANDER PALENTING DATE: DEBOTE PALENTING DATE: DEBOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 113, Application US/09852910
Publication No. US20030096297A1
GENERAL INFORMATION:
APPLICANT: Hamm, Heidi
APPLICANT: Hamm, Heidi
APPLICANT: Gilchrist, Annette
TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor (FILE REFERENCE: 2661-101
CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US 60/275,472
PRIOR APPLICATION NUMBER: US 60/275,472
PRIOR APPLICATION NUMBER: US 60/275,472
PRIOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 32.1%; Score 36; DB 14; Length 20; Best Local Similarity 46.7%; Pred. No. 3e+02; Matches 7; Conservative 2; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 29.5%; Score 33; DB 10; Length 13; Best Local Similarity 66.7%; Pred. No. 5.3e+02; Matches 6; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature

LOCATTON: (1)...(13)

OTHER INFORMATION: G alpha i R minigene peptide

US-09-82-910-113
                                                                                                                                                                                                                                                                                                               ) NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: FGFR1b-20R-B1
US-10-280-066-467
SOFTWARE: Patentin version 3.1
SEQ ID NO 467
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 RGAEVHIGNGGPCLF 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | | : :|| |||
1 RGCVLEALSGGACLF 15
                                                                                                                                                                                                                   ORGANISM: Eschericia coli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 IGNGGPCLF 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 14
US-09-852-910-113
                                                                                                                                                                                                                                                                         FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

```
; FEATURE:
; OTHER INFORMATION: G alpha i R peptide
US-10-373-540-17

Query Match

Guery Match

Best Local Similarity 66.7%; Pred. No. 5.38+02;

Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 11 IGNGGPCLF 19
: || | | | | |
Db 1 MGNGIKCLF 9

Search completed: June 20, 2005, 15:55:11

Job time : 54.45 secs
```

107, App 136, App 136, App 45, App 16, App 10, App 104, App 14, App 14, App 17, App 187, App 17, App 187, App 187, App

Sequence Seq

US-09-258-754-107
US-09-042-107-107
US-09-172-108-107
US-09-172-188-2
US-09-676-475A-107
US-08-733-982A-14
PCT-US93-06751-136
US-08-73-956-848A-45
US-08-988-242-16
US-08-988-242-16
US-09-741-171-5
US-09-140-201-14
PCT-US93-06751-87
US-09-140-201-14
PCT-US93-06751-87
US-09-107-205-20

```
GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J.;

APPLICANT: Griffeth, Julian F.;

APPLICANT: Bond, Julian F.;

APPLICANT: Garman, Richard D.;

APPLICANT: Wow, Mai.emei H.;

APPLICANT: Yeung, Siu-mei H.;

APPLICANT: Exley, Mark A.

APPLICANT: Exley, Mark A.

APPLICANT: Exley, Mark B.

APPLICANT: Brauer, Andrew;

APPLICANT: Brauer, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-7400
TELEPAX: (617) 227-75941
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGEN ATTORNEY SEQ ID NO: 35:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 35, Application US/08467023
; Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MA
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                 (without alignments)
92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                  June 20, 2005, 14:04:11; Search time 16.15 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                         GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-467-023-35
US-09-142-524D-34
US-09-142-524D-33
US-09-142-524D-33
US-08-467-023-36
US-08-467-023-36
US-09-146-624-32
US-09-146-628-5
US-09-166-17
US-09-166-17
US-09-947-372A-20
US-09-947-372A-20
US-08-291-392-32
US-08-391-392-32
US-08-391-392-32
US-08-391-392-32
US-08-391-392-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -07-678-974D-13
-08-945-168-18
-09-980-177A-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               513545 seqs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                - protein search, using sw model
                                                                                                                                                                                                                                                                                                                   112
1 TIDGRGAEVHIGNGGPCLFM 20
                                                                                                                                                                                                                                                                                                                                                                                                    BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Issued Patents AA:*
                                                                                                                                                                                                                                                                                          US-09-202-464-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                      Perfect score:
                                                                                                                                OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Database :
                                                                                                                                                                                                                                                                                                                                                    Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
                                                                                                                                                                                  Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Result
```

```
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Knme, Akinori
APPLICANT: Knme, Akinori
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Applicanto, Ivama, Applicanto, Ivama, Applicanto, Ivama, Applicanto, Ivama, Ivama,
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 15;
                                                                                           Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 21
US-09-142-524D-35
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 19
                                                                                        DB 4;
0.0012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 52; DB 4;
Pred. No. 0.27;
                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2; Mismatches
                                                                                        60.7%; Score 68;
80.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-US-40.7-0.703-30

Sequence 36, Application US/08467023

Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffeth, Irwin J.;

APPLICANT: Bond, Julian F.;

APPLICANT: Bond, Julian F.;

APPLICANT: Bond, Julian F.;

APPLICANT: Kuo, Mei-Chang;

APPLICANT: Yeung, Siu-mei H.;

APPLICANT: Yeung, Siu-mei H.;

APPLICANT: Exley, Mark A.;

APPLICANT: Exley, Mark A.;

APPLICANT: Exley, Mark A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 35, Application US/09142524D Patent No. 6719976; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 80.0%;
Matches 8; Conservative ;
                                                                                                                                                                                                                       1 TIDGRGAEVHIGNGG 15
                                                                                                                                                                                                                                                           | |||||:|:|||||
1 TFDGRGAQVYIGNGG 15
                                                                                                                     Best Local Similarity 80.0
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11 IGNGGPCLFM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 IGNGGPCVFI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                         RESULT 4
US-09-142-524D-35
      ; OTHER 182-09-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-467-023-36
                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE
                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 34
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Work AT10N:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Inwama, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Timo, Koheuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                           Gaps
                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 62.5%; Score 70; DB 4; Length 15; Best Local Similarity 73.3%; Pred. No. 0.00061; Matches 11; Conservative 4; Mismatches 0; Indels
                                                          82.1%; Score 92; DB 3; Length 20; 75.0%; Pred. No. 4.8e-07;
                                                                                                                        1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: MISC FEATURE
LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 120
                                                                                                                        4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                         US-09-142-524D-34
; Sequence 34, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 33, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                      1 TIDGRGAEVHIGNGGPCLFM 20
                                                                                                                                                                                                                          1 TFDGRGAQVYIGNGGPCVFI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 GAEVHIGNGGPCLFM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GAQVYIGNGGPCVFI 15
                                                                                                                        15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: MISC_FEATURE LOCATION: (1)..(15)
                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-142-524D-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-142-524D-33
US-08-467-023-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 33
LENGTH: 15
                                                             Query Match
                                                                                                                        Matches
                                                                                                                                                                                                                                                 d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ద
                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
```

```
.;
0
                                                                                                                                                                             APPLICANT: Kuo, Mei-Chang,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Nark A.;
APPLICANT: Edey, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES. 261
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                             ADDRESSE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: GOTGOR C. Shore et al.
TITLE OF INVENTION: BAX-MEDIATED AROPTOSIS MODULATING
TITLE OF INVENTION: REAGENTS AND METHODS
FILE REFERENCE: 50013/011001
CURRENT APPLICATION NUMBER: US/99/166,028
CURRENT FILING DATE: 1998-10-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. 21;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         35.7%; Score 40; 70.0%; Pred. No.
                                                        Application US/08467023
                                                                                                         Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5, Application US/09166028
Patent No. 6245885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-5941
INFORMATION FOR SEO ID NO: 34
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 70.v
Best Local 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 TIDGRGAEVH 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 TFDGRGAQVY 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-166-028-5
                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            35.7%; Score 40; DB 4; Length 15; 70.0%; Pred. No. 16; 1; Indels tive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
             COMPUTER: PLOPEY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                           025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , LOCATION: (1). (15)
, OTHER INFORMATION: Cryjl peptide, Figure 1, Row 18
US-09-142-524D-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 46.4%; Score 52;
80.0%; Pred. No. (
                                                                                                                                                                                                                              NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFRENCE/DOCKET NUMBER: 025.6
TELECOMUNICATION INFORMATION:
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                      20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
COMPUTER READABLE FORM MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 IGNGGPCLFM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 TIDGRGAEVH 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TFDGRGAOVY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 8; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
3Y: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 6
US-09-142-524D-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-36
                                                                                                                                                                                                                                                                                                                                                                                      LENGTH:
```

유

ö

g

ઠ

```
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-654-623-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 11
US-09-166-028-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 4
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
0
                                                                                                                                                                                                                                           ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                        5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 71, Application US/08654623
Sequence 71, Application US/08654623
Patent No. 6010884
GENERAL INFORMATION:
APPLICANT: Griffiths, Andrew D
APPLICANT: Hossim, Ahuva
APPLICANT: Fisch, Igor
APPLICANT: Winsen, Gregory P
TITLE OF INVENTION: Recombinant Binding Proteins and Peptides
NUMBER OF SEQUENCES: 71
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.0%; Score 37; DB 4; Length 16; 46.2%; Pred. No. 46;
                                                                                                                                                                                          Score 40; DB 3; Length 20;
Pred. No. 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5; Indels
                                                                                                                                                                                                                                        3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 119, Application US/09369247

Facent No. 6569922

GENERAL INFORMATION:
APPLICANT: Rosen et al.
TILE OF INVENTION: 44 Human Secreted Proteins
FILE REFERENCE: P2024P1

CURRENT APPLICATION NUMBER: US/09/369,247

CURRENT FILING DATE: 1999-08-05

EARLIER APPLICATION NUMBER: 60/074,118

EARLIER FILING DATE: 1999-02-09

EARLIER APPLICATION NUMBER: 60/074,157

EARLIER FILING DATE: 1998-02-09

EARLIER FILING DATE: 1998-02-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Mismatches
                                                                                                                                                                                                                                        2; Mismatches
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5
LENGTH: 20
                                                                                                                                                                                        Query Match
Best Local Similarity 53.3%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                    2 IDGRGAEVHIGNGGP 16
                                                                                                                                                                                                                                                                                                               1 MDGSGD--HLGGGGP 13
                                                                                              ; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-166-028-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 GRGAEVHIGNGGP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | | ::| |||
1 GTSPEAYVGPGGP 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 46.2
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 6300 Sears Tow
CITY: Chicago
STATE: 111inois
COUNTRY: USA
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-369-247-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-369-247-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 10
US-08-654-623-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                원
```

8 g

```
KESULT 14
US-08-981-392-32
i Sequence 32, Application US/08981392
i Sequence 32, Application US/08981392
i GENERAL INFORMATION:
APPLICANT: Henrique, Domingos Manuel Pinto
APPLICANT: Henrique, Domingos Manuel Pinto
APPLICANT: Artavanis-Teakonas, Spyridon
APPLICANT: Gray, Grace
INDERION: OF UNEXPRION: OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON
NUMBER OF SEQUENCES: 94
CORRESPONDENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gray, Grace
TITLE OF INVENTION: NUCLECTIDE AND PROTEIN SEQUENCES OF
VERTEBRATE DELTA GENE AND METHODS BASED THEREON
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29.5%; Score 33; DB 3; Length 16; 50.0%; Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Ish-Horowicz, David
Henrique, Domingos Manuel Pinto
Lewis, Julian Hart
Artavanis-Tsakonas, Spyridon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: DOS
SOFTWARE: FASLEGQ VERSION 2.0
SOFTWARE: APPLICATION DATA:
APPLICATION NUMBER: US/08/981,392
FILING DATE: 22-DEC-1997
CLIASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7326-038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 32,605
REFERENCE/DOCKET NUMBER: 7326-
TELECOMMUNICATION INPORMATION:
TELEPHONE: 212-969-9090
TELEFAX: 212-869-8864
TELEX: 66141 PENNIE
INPORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 32, Application US/09908322; Patent No. 6783956; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Antler, Adriane M
REGISTRATION NUMBER: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5 RGAEVHIGNGGPCL 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 RGMQVQSGLAGPVL 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity bu.v.
Best Local Similarity
7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 15
US-09-908-322-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-981-392-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: HARM, Heidi
APPLICANT: GILCHRIST, Annette
TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION: USES THE USES THEREOF
TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION: USE
                                                                                                                                                         ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                         Gaps
                                                                                                                                                      2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29.5%; Score 33; DB 4; Length 15; 62.5%; Pred. No. 1.7e+02; ive 0; Mismatches 3; Indels
                                                                                       Score 36; DB 3; Length 20;
Pred. No. 81;
4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29.5%; Score 33; DB 4; Length 13; 66.7%; Pred. No. 1.4e+02; tive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20, Application US/09947372A
Facent No. 661357
GENERAL INFORMATION:
APPLICANT: FRAZER, IAN
TITLE OF INVENTION: PARLILLOMAVIRUS VACCINE
FILE REFERENCE: 065.064/0137
CURRENT APPLICATION NUMBER: US/09/947,372A
CURRENT FILING DATE: 1994-01-19
FRIOR FILING DATE: 1994-01-19
FRIOR FILING DATE: 1994-01-19
FRIOR FILING DATE: 1992-07-20
FRIOR PRILING DATE: 1992-07-20
FRIOR FILING DATE: 1991-07-19
FRIOR FILING DATE: 1991-07-19
NUMBER OF SEQ ID NOS: 66
SEQ ID NOS: 66
SEQ ID NOS: 66
SEQ ID NOS: 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
, OTHER INFORMATION: G alpha i R peptide
US-09-489-156-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Human papillomavirus type 16
US-09-947-372A-20
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17, Application US/09489156
Patent No. 6559128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                       Query Match
Best Local Similarity 46.7%;
Matches 7; Conservative
                                                                                                                                                                                                                                                1 MDGSGEQ--LGSGGP 13
                                                                                                                                                                                                              2 IDGRGAEVHIGNGGP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 62.5:
"...hes 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 66.7
Matches 6; Conservative
ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 IGNGGPCLF 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 MGNGIKCLF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -09-947-372A-20
                                                                                                                                                                                                                                                                                                                                                                                          US-09-489-156-17
         ; UKGAN1571: ....
US-09-166-028-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT ORGANISM:
```

8 셤 10 HIGNGGPC 17

ઠે

```
..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 29.5%; Score 33; DB 4; Length 16; Best Local Similarity 50.0%; Pred. No. 1.8e+02; Matches 7; Conservative 1; Mismatches 6; Indels
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZLF: 10036/2711
COMPUTER REDABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: ENDABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARR: FRAESQ VERSION 2.0
SOFTWARR: FRAESQ VERSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/908,322
FILING DATE: 17-JU1-2001
CLASSIFICATION WUMBER: 08/981,392
FILING DATE: 22-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: MISTOCK, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-123
TELEFAX: 212-669-8864
TELEFAX: 212-669-8864
TELEFAX: 212-669-8864
TELEFAX: 212-669-8864
TELEFAX: 11-669-8864
TELEFAX: 11-669-8864
TELEFAX: 11-60-808-32:
SEQUENCE CHARACTERISTICS:
LEMOTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: CURKNOWN
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-908-322-32
```

Search completed: June 20, 2005, 14:22:16 Job time : 17.15 secs

S RGAEVHIGNGGPCL 18 3 RGMQVQSGLAGPVL 16

g ò

Н

```
(without alignments)
143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 171, A
Sequence 13, Ap
Sequence 165, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 35, A Sequence 36, A Sequence 159, Sequence 159,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 169,
Sequence 34, A
Sequence 164,
Sequence 170,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1. cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.ppp:*
2. cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.ppp:*
3. cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.ppp:*
4. cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.ppp:*
5. cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.ppp:*
6. cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.ppp:*
7. cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.ppp:*
7. cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.ppp:*
7. cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.ppp:*
7. cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.ppp:*
7. cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.ppp:*
7. cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.ppp:*
7. cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.ppp:*
                                                                                                                                                     June 20, 2005, 14:14:01; Search time 53.45 Seconds
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-354-240-35
US-10-354-240-159
US-10-354-240-169
US-10-354-240-169
US-10-354-240-34
US-10-354-240-170
US-10-354-240-171
US-10-354-240-171
US-10-354-240-171
US-10-354-240-171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                               1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Published_Applications_AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                   OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                  111
1 IGNGGPCLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                      BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                     US-09-202-464-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perfect score:
                                                                                                                                                                                                                                                                                                                                                         Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seguence:
                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Database
                                                                                                                                                     Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
```

174, 166, 172, 37, A	37,11	Sequence 76, Appl Sequence 197, App Sequence 852, Appl Sequence 2, Appli Sequence 64, Appl Sequence 189, Appl Sequence 109, Appl Sequence 192, Appl	Sequence 51 Sequence 51 Sequence 51 Sequence 18, equence 75, equence 196 Sequence 2, Sequence 76 Sequence 76	89, 69, 102, 61,
14 US-10-3 14 US-10-3 14 US-10-3 18 US-10-5 14 US-10-3	14 US 14 US 14 US 10 US 14 US	9 US-09-865-943-76 9 US-09-865-943-197 10 US-09-572-404B-85 15 US-10-346-162-2 9 US-09-865-943-189 9 US-09-865-943-199 9 US-09-865-943-199	US-09-809-391- 0 US-09-802-171- US-09-864-675-1 US-09-865-943-7 US-09-865-943-1 US-09-865-943-1 US-09-865-943-1 US-09-865-943-1 US-09-865-943-1 US-09-865-943-1	14 US-11-280-066- 9 19 US-11-028-539- 0 19 US-11-028-539- 6 9 US-09-865-943-2 6 9 US-09-865-943-2
2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	88877777	0000

ALIGNMENTS

```
US-10-354-240-35

Sequence 35, Application US/10354240

PUBLICATION: 0520001085847A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Sone, Tobnio
APPLICANT: Rume, Akinori
APPLICANT: Minori
APPLICANT: Rume, Akinori
APPLICANT: 1997-0130

CURRENT FILING DATE: 1997-01-29

PRIOR FILING DATE: 1997-01-29

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PREATURE

SOFTWARE: PREATURE

CONGANISM: Cryptomeria japonica
FEAURE: PREATURE

COCANION: (1)...(15)

OUGEN WARCH

SOFTWARE: PREATURE

COCANION: (1)...(15)

OUGEN WARCH

SOFTWARE: Preature

SOFTWARE: PREATURE

COCANION: (1)...(15)

OUGEN WARCH

SOFTWARE: Preature

SOFTWARE: PREATURE

COCANION: (1)...(15)

MARCH OF THE INFORMATION: Cryjl peptide, Figure 1, Row 21

US-10-354-240-35

OUGEN WARCH

Best Local Similarity 66.74; Pred. No. 0.018;

MATCHES 10; CONSELVATIVE 1; Indels 0, Gaps 0;
```

```
Sequence 163, Application US/10354240
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akiko
; APPLICANT: Wame, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
; TITLE OF INVENTION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR PELICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PATENTIN VERSION 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Lwama, Akino
APPLICANT: Lwama, Akino
APPLICANT: Lwama, Akino
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: ParentIn version 3.1
SEQ ID NO 169
LENGTH: 14
                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       52.3%; Score 58; DB 14; Length 15;
Llarity 60.0%; Pred. No. 0.074;
Conservative 5; Mismatches 1; Indels
                    Score 58; DB 14;
Pred. No. 0.074;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 169, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
                       52.3%;
                                                                                                                                                1 PCVFIKRVSNVIIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 PCLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 PCLFMRTVSHVILHG 20
                    Query Match
Best Local Similarity 60.0°
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
Matches 9; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-354-240-169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-354-240-163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                         ઠ
                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          유
                                                                                                                                                                                                                                                             APPLICANT: SUME, AKINOTI
APPLICANT: Wime, Akinori
APPLICANT: Wime, Kazuo
APPLICANT: Wino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-10310
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 159, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toobio
APPLICANT: Kume, Akinori
APPLICANT: Wame, Akinori
APPLICANT: Wame, Akiko
APPLICANT: Kino, Kohsuke
TITLE NOF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            52.3%; Score 58; DB 14; Length 15; 60.0%; Pred. No. 0.074; tive 5; Mismatches 1; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT PEPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 159
LENGTH: 15
                                                                                                                                                                     ; Sequence 36, Application US/10154240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (1). T(15)
OTHER INFORMATION: Figure 7, Row b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Cryptomeria japonica
1 IGNGGPCLFMRTVSH 15
                         6 PCLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 PCVFIKRVSNVIIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 60.0
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-354-240-159
                                                                                                                                                US-10-354-240-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-354-240-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
ઠે
                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

```
JOHNSTON TO SONE, TOSHIO

JAPPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Kume, Akinori

APPLICANT: Kume, Akiko

APPLICANT: Kino, Kohsuke

JITILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFERENCE: SPO-103D1

CURRENT PILING DATE: 1097-03-10

FRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 170

LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 170.774.7 Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Sone, Akinori
APPLICANT: Nume, Akinori
APPLICANT: Nume, Akinori
APPLICANT: Inma, Akinori
APPLICANT: Inma, Akinori
APPLICANT: Inma, Akinori
APPLICANT: Inma, Akino
APPLICANT: Inma, Akino
APPLICANT: SPO-10301
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR PILING DATE: 1999-03-10
PRIOR FILING DATE: 1998-09-09
PRIOR FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            39.6%; Score 44; DB 14; Length 13; 53.8%; Pred. No. 8.7; tive 5; Mismatches 1; Indels
                                                                                                                                                                                   Score 51; DB 14; Length 14;
Pred. No. 0.8;
                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                               5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-10-354-240-170
                                                                                        ) NAME/KRY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 170, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Cryptomeria japonica
                                                                                                                                                                                Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                         7 CLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                  |:|:: ||:||:||
1 CVFIKRVSNVIIHG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 53.0.
To Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 PCLFMRTVSHVIL 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ||:|:: ||:||:
1 PCVFIKRVSNVII 13
                                                                                                                                                                                                                                                                                                                                                                                                             US-10-354-240-170
      LENGTH: 14
                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                              엄
                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Kume, Akinori

APPLICANT: Iwama, Akiko

APPLICANT: Iwama, Akiko

APPLICANT: Iwama, Akiko

APPLICANT: Iwama, Akiko

APPLICANT: Kino, Kohsuke

ITILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

FRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SEQ TAMARE: PatentIn version 3.1

SEQ ID NO 34

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 164, Application US/10354240

Fublication No. U520030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshior

APPLICANT: Name, Akinori

CURRENT FILICANT: No. Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFERENCE: SPO-103D1

CURRENT FILING DATE: 2003-01-29

PRIOR APPLICATION NUMBER: US/10/354,240

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

SEQ ID NO 164
                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                      Gaps
                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                        Score 52; DB 14; Length 14;
Pred. No. 0.57;
5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       46.8%; Score 52; DB 14; Length 15; 80.0%; Pred. No. 0.61; tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 120
US-10-354-240-34
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-10-354-240-169
                                                                                                                                                                                                                                                                                                                                       ; Sequence 34, Application US/10354240 ; Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                        Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
                                                                                                                                                                              6 PCLFMRTVSHVILH 19
                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 IGNGGPCLFM 10
|||||||:|:
6 IGNGGPCVFI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-354-240-164
                                                                                                                                                                                                                                                                                                                   US-10-354-240-34
                                                                                                                                                                                ઠ
                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 174
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Nama, Akinori
APPLICANT: Iwama, Akino
APPLICANT: Iwama, Akino
APPLICANT: Iwama, Akino
APPLICANT: Kino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-10301
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                       Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 42; DB 14; Length 13;
Pred. No. 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                       DB 14;
18;
                                                                                                                                                                                                                                                       Score 42; DB 1
Pred. No. 18;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174
                                                                                                                                                          ) NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 166, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 174, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Cryptomeria japonica
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 165
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  37.8%;
                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 53.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                               8 LFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                           :|:: ||:||:||
1 VFIKRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 LFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :|::||:||:||
1 VFIKRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 53.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-354-240-174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-354-240-166
                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-35-40-13

Sequence 13, Application US/10354240

Publication Wo. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Wime, Akinori

APPLICANT: Wime, Akinori

APPLICANT: Wine, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic pering Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION NUMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 13

LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Baliriki, Kazuo
APPLICANT: Iwam, Akiko
APPLICANT: Iwam, Akiko
APPLICANT: Iwam, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REPERENCE: SPO-10311
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 1997-003-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                       Score 42; DB 14; Length 12;
Pred. No. 16;
4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             37.8%; Score 42; DB 14; Length 13; larity 53.8%; Pred. No. 18; Conservative 5; Mismatches 1; Indels
                                                                                                                                       ; FEATURE:
; NAME,KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-10-354-240-171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-354-240-165
Sequence 165, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , ORGANISM: Cryptomeria japonica
US-10-354-240-13
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 171
LENGTH: 12
                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 58.3%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 LFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :|:: ||:||:||
1 VFIKRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                           1 PCVFIKRVSNVI 12
                                                                                                                                                                                                                                                                                                                                                 6 PCLFMRTVSHVI 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                         임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
```

```
:| |||
12 LGGGGPC 18
                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kume, Akinori
APPLICANT: Nama, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT FILING DATE: 1997-03-10
PRIOR PELING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR PELING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
TYPP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 37, Application US/10507734
Publication No. US20050124794A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT:
MAZAR, Andrew P.
APPLICANT:
MAZAR, Andrew P.
TITLE OF INVENTION:
CELL SURPACE TROPOMYOSIN AS A TARGET OF ANGIOGENESIS INHIBITION
FILE REFERENCE: 28932.att5
CURRENT APPLICATION NUMBER: US/10/507,734
                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
0
                                                                                                                                                                                                                                                                          36.9%; Score 41; DB 14; Length 12; 58.3%; Pred. No. 23; tive 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 14; Length 11; 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 38; DB 1
Pred. No. 60;
4; Mismatches
PRIOR FILING DATE: 1997-03-10
PRIOR PEDLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1996-09-09
NUMBER OF SEQ ID NOS: 174
SSCTWARE: Patentin version 3.1
SEQ ID NO 166
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
NAME/KRY: MISC FEATURE
1 OTHER INFORMATION: Figure 15, p22-10.
US-10-354-240-172
                                                                                                                                                                                             NAME/KEY: MISC FEATURE
COTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166
                                                                                                                                     TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     34.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 54.5
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                      9 FMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                          |:: ||:||:||
1 FIKRVSNVIIHG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 PCLFMRTVSHV 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ||:|:: ||:|
PCVFIKRVSNV 11
                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 7; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 15
US-10-507-734-37
                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                      ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
```

```
159, App
1163, App
1163, App
134, App
1164, App
117, App
117, App
117, App
117, App
117, App
1166, App
1172, App
1167, App
1172, App
1172, App
1173, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 36, Appl
Sequence 35, Appl
Sequence 36, Appl
                                                                                                 June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 163,
Sequence 169,
Sequence 34, 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1
Sequence 1
Sequence 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Issued Patents AA:*

1. /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2. /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

3. /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4. /cgn2_6/ptodata/1/iaa/RB_COMB.pep:*

5. /cgn2_6/ptodata/1/iaa/RB_COMB.pep:*

5. /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*

5. /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-467-023-36

US-09-142-554D-35

US-09-142-524D-159

US-09-142-524D-163

US-09-142-524D-163

US-09-142-524D-164

US-09-142-524D-170

US-09-142-524D-170

US-09-142-524D-171

US-09-142-524D-171

US-09-142-524D-171

US-09-142-524D-173

US-09-142-524D-173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-128-344A-197
US-09-128-344A-64
US-09-128-344A-189
US-09-128-344A-70
                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                               513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                 OM protein - protein search, using sw model
                                                                                                                                                                    US-09-202-464-13
111
1 IGNGGPCLFMRTVSHVILHG 20
                                                                                                                                                                                                                                           BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                  Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                        Title:
Perfect score:
                                                                                                                                                                                                                                             Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence:
                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Database
                                                                                                   Run on:
```

Sequence 192, App	Sequence 512, App	Sequence 75, Appl	Sequence 196, App		Sequence 61, Appl		Sequence 65, Appl			Sequence 186, App		Seguence 13, Appl		Sequence 47, Appl	Sequence 93, Appl	Sequence 95, Appl	Sequence 105, App
US-09-128-344A-192	US-09-149-476-512	US-09-128-344A-75	US-09-128-344A-196	US-09-128-344A-25	US-09-128-344A-61	US-09-128-344A-63	US-09-128-344A-65	US-09-128-344A-111	US-09-128-344A-132	US-09-128-344A-186	US-09-128-344A-188	US-09-128-344A-13	US-09-128-344A-23	US-09-128-344A-47	US-09-128-344A-93	US-09-128-344A-95	US-09-128-344A-105
ო	4	٣	m	m	m	m	٣	m	m	m	٣	m	m	m	m	m	ო
18	4	18	18	16	16	16	16	16	16	16	16	17	17	17	17	17	17
28.8	28.4	27.9	27.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
32	31.5	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30
28	53	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

ALIGNMENTS

```
US-08-467-023-36

Sequence 56, Application US/08467023

Sequence 56, Application US/08467023

Sequence 56, Application US/08467023

Patent No. 600386

GENERAL INFORMATION

APPLICANT: Bond Julian F;
APPLICANT: Brauer, Andrew, P;
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Allergenic Proteins And COUNTRY: USA

COUNTRY:
```

us-09-202-464-13.rai

```
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kane, Akinori
APPLICANT: Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Poptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Poptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFFWARE: Patentin Version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-142-524D-163

US-09-142-524D-163

Sequence 163, Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Sone, Toshio

APPLICANT: Wama, Akinori

APPLICANT: Iwam, Akiko

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT APPLICATION NUMBER: US/09/142,524D

FIOR APPLICATION NUMBER: CT/JP97/00740

PRIOR APPLICATION NUMBER: DT/JP97/00740

PRIOR APPLICATION NUMBER: DS/173-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 163

LENGTH: 15
                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                          :.
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .;
0
                                                                                           Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 22
                                                                                           Score 58; DB 4;
Pred. No. 0.018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 58; DB 4;
Pred. No. 0.018;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 159, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COCATION: (1). (15)
COTHER INFORMATION: Figure 7, Row b
US-09-142-524D-159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                        52.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        52.3%;
                                                                                                                                                                                                                        6 PCLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                            1 PCVFIKRVSNVIIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 PCLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 60.0%
                                                                                                                      Best Local Similarity 60.0
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                      US-09-142-524D-159
      ; OTHER INFURMA
US-09-142-524D-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 15
                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Iwame, Akino

APPLICANT: Iwame,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Name, Akinori
APPLICANT: Name, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Nino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: PET/JP97/00740
PRIOR APPLICATION NUMBER: PET/JP97/00740
PRIOR APPLICATION NUMBER: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 36
LENGTH: 15
                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                            .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 55.9%; Score 62; DB 4; Length 15; Best Local Similarity 66.7%; Pred. No. 0.0044; Matches 10; Conservative 4; Mismatches 1; Indels
                                                       77.5%; Score 86; DB 3; Length 20; 70.0%; Pred. No. 1.3e-06; Live 5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: MISC_FEATURE
CCATTON: (1)...(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 21
US-09-142-524D-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-142-524D-36; Sequence 36, Application US/09142524D; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 35, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                       1 IGNGGPCLFMRTVSHVILHG 20
                                                                                                                                                                                                                        1 IGNGGPCVFIKRVSNVIIHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 IGNGGPCLFMRTVSH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 IGNGGPCVFIKRVSN 15
                                             Query Match
Best Local Similarity 70.04
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1). (15)
                                                                                                                                                                                                                                                                                                                                              RESULT 2
US-09-142-524D-35
US-08-467-023-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
                                                                                                                                                                                                                                                   엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                d
```

```
ö
                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bollock, Joanne;
APPLICANT: Bond, Vulian F.;
APPLICANT: Kou, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Alarewin H.;
APPLICANT: Brauer, Alarewin H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Alarewin H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Alarewin H.;
APPLICANT: Brauer, Andrew;
APPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                 Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                46.8%; Score 52; DB 3; Length 20; 80.0%; Pred. No. 0.2;
                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATA:
FILING DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
TELECOMMUNICATION INFORMATION:
    OTHER INFORMATION: Cryjl peptide, Figure 1, Row 120
                                                                                                                     Score 52; DB 4;
Pred. No. 0.15;
                                                                                                                                                                                              2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. 0.2;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                 46.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 amino acida
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best'Local Similarity 80.0
Matches 8; Conservative
                                                                                                                     Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                1 IGNGGPCLFM 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 IGNGGPCVFI 20
                                                                                                                                                                                                                                                                                                                                                     6 IGNGGPCVFI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 IGNGGPCLFM 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                ; US-09-142-524D-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-467-023-35
                                                                                                                                                                                                                                                                                                                                                 원
                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 34, Application US/09142524D

Batent No. 6719976
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kume, Akinori
APPLICANT: Name, Akino
APPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Knue, Akinori
APPLICANT: Mama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kno, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT PILING DATE: 1998-09-09
PRIOR FILING DATE: 1997-03-10
                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     46.8%; Score 52; DB 4; Length 14; 57.1%; Pred. No. 0.14; tive 5; Mismatches 1; Indels
                                                                                                                 Score 58; DB 4; Length 15;
Pred. No. 0.018;
5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 169, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-09-142-524D-169
; OTHER INFORMATION: Figure 15, p22-1
US-09-142-524D-163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 169
                                                                                                                 Query Match 52.3%;
Best Local Similarity 60.0%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                       6 PCLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                    ||:|:: ||:||:||
PCVFIKRVSNVIIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 PCVFIKRVSNVIIH 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 PCLFMRTVSHVILH 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 57.1
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-142-524D-169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-524D-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
```

```
Sequence 171, Application US/09142524D
Sequence 171, Application US/09142524D
Sequence 171, Application US/09142524D
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Mama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iw
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akino
APPLICANTON: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseasor FILE REFERENCE: SPO-103
CURRENT PILING DATE: 1998-09
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 13
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   37.8%; Score 42; DB 4; Length 13; 53.8%; Pred. No. 4.3; tive 5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 42; DB 4
Pred. No. 3.9;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-142-524D-165

Sequence 165, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-09-142-524D-171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , Sequence 13, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Cryptomeria japonica
US-09-142-524D-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 58.3%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8 LFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :|:: ||:||:||
1 VFIKRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 53.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 PCLFMRTVSHVI 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 PCVFIKRVSNVI 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 12
US-09-142-524D-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 164
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 44; DB 4; Length 13;
Pred. No. 2.1;
5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 45.9%; Score 51; DB 4; Length 14; Best Local Similarity 57.1%; Pred. No. 0.19; Matches 8; Conservative 5; Mismatches 1; Indels
RESULT 9
10S-09-142-524D-164
1 Sequence 164, Application US/09142524D
1 Petent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 170, Application US/09142524D
Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-09-142-524D-170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
NAME/KEY: MISC FEATURE
1 OTHER THORMATION: Figure 15, p22-2.
US-09-142-5240-164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      39.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 174
SOFWARE: Patentin version 3.1
SEQ ID NO 170
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |:|:: ||:||:||
1 CVFIKRVSNVIIHG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7 CLFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 PCLFMRTVSHVIL 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 PCVFIKRVSNVII 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 53.8
Matches 7; Conservative
                                                                                                                                                                                                                    APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                           PATENT. NO GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 10
US-09-142-524D-170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

```
rage 5

rume, Akinori

house, Akinori

horizant: Dairiki, Kazuo

horizant: Dairiki, Kazuo

horizant: Dairiki, Kazuo

horizant: Mara, Akiko

horizant: Mino, Kohauke

horizant: Mino, Kohauke

horizant: SPO-109

current FILING DATE: 1998-09-09

current FILING DATE: 1998-09-09

horizant: Prizanton Number: Port/JP97/00740

horizant: Prizant: Prizant: Port/JP97/00740

horizant: Prizant: Prizant: Port/JP97/00740

horizant: Prizant: Prizant: Port/JP97/00740

horizant: Prizant: Prizan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               36.9%; Score 41; DB 4; Length 12; 58.3%; Pred. No. 5.6; Live 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Search completed: June 20, 2005, 14:22:16
Job time : 16.15 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9 FMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:: ||:||:||
1 FIKRVSNVIIHG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-524D-166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                       APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERNCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO IS: 174
SEQ ID NO 165
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Sone, Toshio
APPLICANT: Sone, Atinori
APPLICANT: Kume, Atinori
APPLICANT: Mume, Atinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Inama, Akiko
APPLICANT: Inama, Akiko
APPLICANT: Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: PCT/JP97/00740
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
FENCEN: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 42; DB 4; Length 13; Pred. No. 4.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   37.8%; Score 42; DB 4; Length 13; 53.8%; Pred. No. 4.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 14
US-09-142-524D-174
; Sequence 174, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-09-142-524D-174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 166, Application US/09142524D
Petent No. 6719976
GENERAL INCRANTION:
APPLICANT: Some, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3
US-09-142-524D-165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 13
TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 53.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 LFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 : |:: ||:||:||
1 VFIKRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 LFMRTVSHVILHG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :|:: ||:||:||
1 VFIKRVSNVIIHG 13
                                                                                                                                                                                                                                                         Kume, Akinori
Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                            Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 7; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-142-524D-166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
```

Gaps

us-09-202-464-14.rapb

```
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
```

OM protein - protein search, using sw model

Run on:

June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec US-09-202-464-14 Title: Perfect score:

108 1 RTVSHVILHGLNIHGCNTSV 20 Scoring table: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5

1714042 seqs, 383979560 residues Searched:

332641 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 20

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

					COMMAKIES		
		de					
Result		Query					
No.	Score	Match	e Match Length DB I	DB	ID	Description	
1	62	57.4	15	14	US-10-354-240-38	Sequence 38, Appl	
7	49	45.4	15	14	US-10-354-240-37	Sequence 37, Appl	
m	38	35.2	15	14	US-10-354-240-39	Sequence 39, Appl	
4	34	31.5	10	14	US-10-354-240-168	Sequence 168, App	
2	34	31.5	11	14	US-10-354-240-167	Sequence 167, App	
9	34	31.5	12	14	US-10-354-240-166	Sequence 166, App	
7	34	31.5	13	14	US-10-354-240-13	Sequence 13, Appl	
80	34	31.5	13	14	US-10-354-240-165	Sequence 165, App	
o,	34	31.5	13	14	US-10-354-240-174	Sequence 174, App	
10	34	31.5	14	14	US-10-354-240-164	Sequence 164, App	
11	34	31.5	15	14	US-10-354-240-36	Sequence 36, Appl	

ö

Gaps

ö

Query Match 57.4%; Score 62; DB 14; Length 15; Best Local Similarity 66.7%; Pred. No. 0.01; Matches 10; Conservative 5; Mismatches 0; Indels

Sequence 159, App Sequence 163, App Sequence 9, Appli Sequence 46, Appl Sequence 143, App	143, 199, 2, Ap 51, Ap 50, A	Sequence 2, Appli Sequence 12, Appli Sequence 1, Appli Sequence 1, Appli Sequence 23, Appli Sequence 123, App	1794, 434, 76, Ap 117, 76, A	sequence 76, Appl Sequence 76, Appl Sequence 76, Appl Sequence 117, Appl Sequence 3910, Ap Sequence 3910, Ap Sequence 25, Appl Sequence 25, Appl
ннннн	19 US-11-002-755 2 10 US-09-876-904 4 15 US-10-346-162 5 14 US-10-15-869 6 15 US-10-462-262 8 14 US-10-216-122	5 16 US-10-756-289-2 8 14 US-10-083-641A-12 8 14 US-10-349-543-4 9 10 US-09-791-524-2 9 14 US-10-062-831-123 9 14 US-10-062-599-123	0 14 US-10-225- 0 17 US-10-938- 9 US-09-769-1 9 10 US-09-865- 9 14 US-10-105- 9 14 US-10-105- 9 14 US-10-105- 9 14 US-10-105- 9 14 US-10-105-	15 US-10-359 15 US-10-452 16 US-10-622 10 US-09-572 10 US-09-572 14 US-10-075 15 US-10-366
31.5 31.5 30.6 299.6	32 29 6 1 1 32 29	286.7 288.7 288.7 288.7 288.7 28.7 28.7	31 28.7 2 31 28.7 2 30 27.8 30 27.8 30 27.8 30 27.8	27.8 0 27.8 0 27.8 0 27.8 1 1 0 27.8 1 1 27.8 1 1

ALIGNMENTS

```
Sequence 38, Application US/10354240

Sequence 38, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Nama, Akiko
APPLICANT: Kino, Kohsuke
ITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT APPLICATION NUMBER: PS/10997/00740

PRIOR APPLICATION NUMBER: DS/10/254

PRIOR APPLICATION NUMBER: US/09/10/264

PRIOR PILING DATE: 1999-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

SEQ ID NO 38

LENGTH: 15

TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; NAME/KEY: MISC_FEATURE
; LOCATION: (1)...(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 24
US-10-354-240-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
```

```
VS-10-154-240-168

i Sequence 168, Application US/10354240

j Publication No. US2033185847A1

j Publication No. US2033185847A1

j Publication No. US2033185847A1

j APPLICANT: Kume, Akinori

j APPLICANT: Kime, Akinori

j APPLICANT: Wino, Kohsuke

j TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

j TITLE REFERENCE: SPO-10301

j CURRENT APPLICATION NUMBER: US/10/354,240

j PRIOR APPLICATION NUMBER: DCT/JP97/00740

j PRIOR APPLICATION NUMBER: US 09/142,524

j PRIOR APPLICATION NUMBER: US 09/142,524

j PRIOR SEQ ID NOS: 174

j NUMBER OF SEQ ID NOS: 174

j SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 167, Application US/10354240

Sequence 167, Application US/10354240

Sequence 167, Application US/10354240

Sequence 167, Application US/10354240

Sublicant Normal Sole, Toshio

APPLICANT: Sole, Toshio

APPLICANT: Iwama, Akiko

APPLICANT: Iwama, Akiko

APPLICANT: Iwama, Akiko

APPLICANT: Spoint Normal Sole 10301

CURRENT APPLICATION WINBER: US/10/354,240

CURRENT FILING DATE: 1203-01-29

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR APPLICATION NUMBER: US/10/354,240

PRIOR APPLICATION NUMBER: US/10/354,240

PRIOR FILING DATE: 1998-09

NUMBER OF SEQ ID NOS: 174
                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                            .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 10;
                           DB 14; Length 15; 52;
                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31.5%; Score 34; DB 14;
60.0%; Pred. No. 1.4e+02;
ative 3; Mismatches 1
                                                                                                4; Mismatches
                           Score 38;
Pred. No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
                           35.2%;
60.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn version 3.1
SEQ ID NO 167
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match
Best Local Similarity 60.0
6; Conservative
                        Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                   |:::||:|||
1 LHLYGCSTSV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : ||:||:||
1 KRVSNVIIHG 10
                                                                                                                                                             11 LNIHGCNTSV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 RIVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-354-240-168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 168
                                                                                                                                                                 à
                                                                                                                                                                                                                           원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 39, Application US/10354240

| Sequence 39, Application US/10354240
| Publication No. US20030185847A1
| GENERAL INFORMATION:
| APPLICANT: Sone, Toshio
| APPLICANT: Wame, Akinori
| APPLICANT: Wame, Akinori
| APPLICANT: Wame, Akinori
| APPLICANT: Whoske
| APPLICANT: Wame, Akino
| APPLICANT: Wame, Akino
| APPLICANT: Wasuo, Akino
| APPLICANT: Wasuo, Akino
| APPLICANT: Wasuo
| APPLICANT: Wasuo
| APPLICANT: NonStrict
| TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
| TITLE OF INVENTION: VONBER: US/10/354,240
| CURRENT FILING DATE: 1997-00140
| PRIOR FILING DATE: 1998-09-09
| WINDER OF SEQ ID NOS: 174
| PRIOR FILING DATE: 1998-09-09
| WINDER OF SEQ ID NOS: 174
| SEQ ID NO 39
| LENTH: 15
                                                                                                                                                                                                                                                                                                                                                APPLICANT: Kume, Akinori APPLICANT: Dairiki, Kazuo APPLICANT: Dairiki, Kazuo APPLICANT: Mama, Akiko APPLICANT: Kino, Kohsuke TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103D1
CURRENT PELING DATE: 1030-10.29
PRIOR APPLICATION NUMBER: US/J0/354,240
PRIOR APPLICATION NUMBER: US/J0/3-10
PRIOR APPLICATION NUMBER: US/J0/3-10
PRIOR APPLICATION NUMBER: US/J0/3-10
PRIOR APPLICATION NUMBER: US/J1/3-10
PRIOR APPLICATION UMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 45.4%; Score 49; DB 14; Length 15; Best Local Similarity 53.3%; Pred. No. 1; Matches 8; Conservative 6; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FERTURE:

NAME/KEY: MISC_FEATURE

LOCATION: (1)..(15)

OTHER INFORMATION: Cryjl peptide, Figure 1, Row 25
US-10-354-240-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 23
US-10-354-240-37
                                                                                                                                                                                                                           Sequence 37, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION:
APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Cryptomeria japonica
6 VILHGLNIHGCNTSV 20
                                  1 VIIHGLHLYGCSTSV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RTVSHVILHGLNIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : ||:||:||::|
1 KRVSNVIIHGLHLYG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-354-240-39
                                                                                                                                                                                            US-10-354-240-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ò
                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
```

```
APPLICANT: SUME, ACKION.
APPLICANT: WIME, ACKION.
APPLICANT: Mana, Akinori
APPLICANT: Mana, Akinori
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Akiko
APPLICANT: Wino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: DCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR PELING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gequence 174, Application US/10354240

j Sequence 174, Application US/10354240

j Publication No. U520030185847A1

general INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Mume, Akinori

APPLICANT: Mino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Disea

FILE REFERENCE: 2003-01-29

CURRENT FILING DATE: 1999-03-01-29

PRIOR APPLICATION NUMBER: US/10/354,240

PRIOR FILING DATE: 1999-09-09

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 174

LENGTH: 13
                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                 ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                        Query Match 31.5%; Score 34; DB 14; Length 13; Best Local Similarity 60.0%; Pred. No. 1.9e+02; Matches 6; Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.5%; Score 34; DB 14; Length 13; 60.0%; Pred. No. 1.9e+02; tive 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 165, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: MISC FEATURE
OTHER INFORMATION: Figure 15, p22-3.
     ; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 13
TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                   1 RTVSHVILHG 10
                                                                                                                                                                                                                                                 : ||:||:||
4 KRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : ||:||:||
4 KRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                               US-10-354-240-165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-354-240-165
                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Sone, Toshio

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Rume, Akinori

APPLICANT: Mama, Akiko

APPLICANT: Iwama, Akiko

APPLICANT: Iwama, Akiko

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: PODIJO1

CURRENT FILING DATE: 2003-01-29

FRIOR FILING DATE: 1997-03-10

PRIOR PILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

SEQ ID NO 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FULLCALION NO. US.2003018584/A1 |
| GENERAL INCORMATION: | APPLICANT: Sone, Toshio |
| APPLICANT: Sone, Toshio |
| APPLICANT: Nume, Akinori |
| APPLICANT: Nume, Akinori |
| APPLICANT: Nume, Akinori |
| APPLICANT: Wame, Akinori |
| APPLICANT: Nino, Kohsuke |
| TILLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea |
| FILE REFERENCE: SPO-1031 |
| CURRENT APPLICATION NUMBER: US/10/397/00740 |
| PRIOR FILING DATE: 1997-03-10 |
| PRIOR FILING DATE: 1998-09-09 |
| NUMBER OF SEQ ID NOS: 174 |
| SOFTHARE: Patentin Version 3.1 |
| LENGTH: 13 |
                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.5%; Score 34; DB 14; Length 12; 60.0%; Pred. No. 1.76+02; tive 3; Mismatches 1; Indels
                                                                                                                Length 11;
                                                                                                           31.5%; Score 34; DB 14; Length 11
60.0%; Pred. No. 1.6e+02;
tive 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
NAME/KEY: MISC_FEATURE
OTHER INFORMATION: Figure 15, p22-4.
; NAME/KEY: MISC FEATURE
; OTHER INFORMATĪON: Figure 15, p22-5.
US-10-354-240-167
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 166, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                     Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                             1 RTVSHVILHG 10
                                                                                                                                                                                                                                            : ||:||:||
2 KRVSNVIIHG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 KRVSNVIIHG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                             10-354-240-166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-354-240-166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
```

```
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1998-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 159
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 163, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kume, Akinori
APPLICANT: Iwame, Akiko
APPLICANT: Iwame, Akiko
APPLICANT: Iwame, Akiko
APPLICANT: Iwame, Akiko
APPLICANT: Iwame, Info, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                         ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
0
                                                                                                                                                                                                                                              Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 34; DB 14; Length 15;
Pred. No. 2.2e+02;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                       LOCATION: (1). (15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 22
US-10-354-240-36
                                                                                                                                                                                                                                            Query Match 31.5%; Score 34; DB 14; Best Local Similarity 60.0%; Pred. No. 2.2e+02; Matches 6; Conservative 3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 159, Application US/10154240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (1). (15)
OTHER INFORMATION: Figure 7, Row b
                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31.5%;
60.0%;
SOFTWARE: PatentIn version 3.1
SEQ ID NO 36
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Iwama, Akiko APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : ||:||:||
6 KRVSNVIIHG 15
                                                                                                                                                                                                                                                                                                                                   1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                         : ||:||:||
6 KRVSNVIIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 RTVSHVILHG 10
                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 13
US-10-354-240-163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-354-240-159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE
                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Sone, Toshio
APPLICANT: Sone, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Akiko
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Poptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REPRENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 36, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Nume, Akinori

APPLICANT: Nama, Akinori

APPLICANT: Nama, Akino

APPLICANT: Nama, Akino

TITLE OF INVENTION:

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                     ö
                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31.5%; Score 34; DB 14; Length 14; 60.0%; Pred. No. 2e+02; tive 3; Mismatches 1; Indels
                                                                                                                                                       Score 34; DB 14; Length 13;
Pred. No. 1.9e+02;
3; Mismatches 1; Indels
                                           FEATURE:
NAME/KRY: MISC FEATURE
COTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 164, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164
TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Cryptomeria japonica
                                                                                                                                                       Query Match
Best Local Similarity 60.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                         : ||:||:||
4 KRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : ||:||:||
5 KRVSNVIIHG 14
                                                                                                                                                                                                                                              1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                              US-10-354-240-164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-354-240-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
```

```
g
                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 9, Application US/10801988

Publication No. US20050026231A1

GENERAL INFORMATION:

APPLICANT: GENERES, LUCILE

APPLICANT: BONNEAU, ANNE-MARIE

APPLICANT: BONNEAU, ANNE-MARIE

APPLICANT: DALLAIRE, FREDERIC

TITLE OF INVENTION: TRIOSEPHOSPHATE ISOMERASE DIRECTED DIAGNOSTICS AND

TITLE OF INVENTION: THERAPEUTICS FOR MULTIDRUG RESISTANT NEOPLASTIC DISEASE

FILLE REFERENCE: 112418.151

CURRENT APPLICATION NUMBER: US/10/801,988

CURRENT FILING DATE: 2004-03-15

PRIOR FILING DATE: 2003-03-14

NUMBER OF SEQ ID NOS: 13

SEQ ID NO 9

LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Cognosci, Inc.
APPLICANT: Moss, Marcia Lynn
APPLICANT: Mess, Marcia Lynn
APPLICANT: Mess, Michael H.
APPLICANT: Vitek, Michael P.
TITLE OF INVENTION: Assays for measuring matrix metalloproteinase activities
FILE REFERENCE: 56816-5001-015
CURRENT APPLICATION NUMBER: US/10/449,659
CURRENT FILING DATE: 2003-06-02
PRIOR FILING DATE: 2001-05-31
NUMBER OF SEQ ID NOS: 77
                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                 Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30.6%; Score 33; DB 17; Length 18
35.7%; Pred. No. 3.8e+02;
tive 3; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                             31.5%; Score 34; DB 14;
60.0%; Pred. No. 2.2e+02;
trive 3; Mismatches 1;
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR PPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 163
LENGTH: 15
                                                                                                                                                                                                                                      ; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 46, Application US/10449659; Publication No. US20030229005A1; GENERAL INFORMATION:
                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 VSHVILHGLNIHGC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:| : || : |
1 VAHALAEGLGVIAC 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 35.7
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                 1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                         : [|:||:||
6 KRVSNVIIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-449-659-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-801-988-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-801-988-9
                                                                                                                                                                                                                         FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
```

THIS PAGE BLANK (USPTO)

```
US-08-467-023-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      337, Appl
39, Appl
39, Appl
12, Appl
12, Appl
12, Appl
16, App
167, Appl
166, App
167, Appl
167, Appl
167, Appl
167, Appl
167, Appl
167, Appl
168, Appl
169, Appl
163, Appl
163,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                              June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1
Sequence 1
Sequence 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1
Sequence 1
Sequence 1
Sequence 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1
Sequence 1
Sequence 2
Sequence 3
Sequence 2
Sequence 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1: /cgn2_6/prodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/prodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/prodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-142-524D-38
US-09-142-524D-39
US-08-142-524D-39
US-08-459-850-12
US-08-459-314-12
US-08-459-314-12
US-09-142-524D-168
US-09-142-524D-166
US-09-142-524D-165
US-09-142-524D-163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-142-590B-4
US-08-142-590B-24
US-09-285-783-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -08-142-590B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                        513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                    OM protein - protein search, using sw model
                                                                                                                                                                                                                                                             US-09-202-464-14
108
1 RTVSHVILHGLNIHGCNTSV 20
                                                                                                                                                                                                                                                                                                                                                                          BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Issued_Patents_AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
Match Length
                      Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0
Maximum DB seq length: 20
                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Searched:
                                                                                                                                                                                                                                                                                                                        Sequence:
                                                                                                                                                      Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Result
No.
```

```
28 31 28.7 19 4 US-09-690-454-123 Sequence 123, Appl 30 27.8 9 3 US-09-250-059-76 Sequence 23, Appl 31 28.7 20 3 US-09-250-059-76 Sequence 76, Appl 32 30 27.8 9 4 US-09-250-059-76 Sequence 76, Appl 33 30 27.8 9 4 US-09-248-012-76 Sequence 76, Appl 34 30 27.8 9 4 US-09-248-012-70 Sequence 76, Appl 32 30 27.8 9 4 US-09-248-012-70 Sequence 76, Appl 32 30 27.8 9 4 US-09-544-782-76 Sequence 76, Appl 32 30 27.8 15 2 US-08-481-955 Sequence 76, Appl 30 27.8 15 3 US-08-370-476-47 Sequence 47, Appl 40 30 27.8 15 3 US-08-370-476-47 Sequence 47, Appl 41 30 27.8 15 3 US-08-370-476-47 Sequence 27, Appl 42 30 27.8 17 3 US-08-47-27 Sequence 27, Appl 42 30 27.8 19 1 US-08-418-518-01 Sequence 11, Appl 42 30 27.8 19 1 US-08-418-518-01 Sequence 12, Appl 44 29 26.9 12 3 US-08-411-472-12 Sequence 12, Appl 44 29 26.9 12 3 US-08-411-472-15 Sequence 15, Appl 45 Physical Appl 45 29 26.9 12 3 US-09-188-579-15 Sequence 15, Appl 45 Appl 45 29 26.9 12 3 US-09-318-441-15 Sequence 15, Appl 45 Appl 45 29 26.9 12 3 US-09-318-441-15 Sequence 15, Appl 45 Appl 45 29 26.9 12 3 US-09-318-441-15
```

ALIGNMENTS

```
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Anthony J. Mason
APPLICANT: Anthony J. Mason
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 15;
                                                                     Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: MISC_FEATURE
) LOCATION: (1)...(15)
) OTHER INFORMATION: Cryjl peptide, Figure 1, Row 25
US-09-142-524D-39
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 23 US-09-142-524D-37
                                                                   DB 4;
0.26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk COMPUTER: 1EM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: patin (Genentech)
CURRENY APPLICATION DATA:
FILLING DATE: 16-FEB-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 38; DB 4
Pred. No. 13;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB . 13;
                                                                     Score 49;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               чогиы ВК (197,792
16-FEB-1994
                                                                                                                                                                                                                                                                                                       Sequence 39, Application US/09142524D; Patent No. 6719976; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 12, Application US/08197792; Patent No. 5525488; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Cryptomeria japonica
                                                                   45.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                  : ||:||:||:||
1 KRVSNVIIHGLHLYG 15
                                                                                                                                                       1 RIVSHVILHGLNIHG 15
                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Dairiki, Kazuc
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:::||:|||
1 LHLYGCSTSV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11 LNIHGCNTSV 20
                                                                   Query Match
Best Local Similarity
Matches 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94080
                                                                                                                                                                                                                                                                 RESULT 4
US-09-142-524D-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-197-792-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 39
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
                                                                                                                                                           ઠ
                                                                                                                                                                                               요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 37 Application US/09142524D

Sequence 37 Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Wime, Akinori
APPLICANT: Wame, Akinori
APPLICANT: Wame, Akinori
APPLICANT: Wame, Akinori
APPLICANT: Mama, Akiko
APPLICANT: Wimo, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: PCT/UP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 37
LENGTH: 15
                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Karuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Foptide-Based Immunotherapeutic Agent for Treating Allergic Disea
                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
0
                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                          .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 57.4%; Score 62; DB 4; Length 15; Best Local Similarity 66.7%; Pred. No. 0.0024; Matches 10; Conservative 5; Mismatches 0; Indels
                                             Score 69; DB 3; Length 20; Pred. No. 0.00028;
                                                                                     2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1) - [15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1996-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-02-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SOFTWARE: Patentin version 3.1
LENGTH: 15
                                                                                        6; Mismatches
                                                                                                                                                                                                                                                                                 Sequence 38, Application US/09142524D Patent No. 6719976
                                                                                                                                  1 RIVSHVILHGLNIHGCNTSV 20
                                                                                                                                                           : ||:||:||| ::||:|||
1 KRVSNVIIHGLYLYGCSTSV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Cryptomeria japonica
                                             Query Match
Best Local Similarity 60.0%;
Matches 12; Conservative 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 VILHGLNIHGCNTSV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ||:|||:::||:||
1 VIIHGLHLYGCSTSV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1). (15)
                                                                                                                                                                                                                                                                   US-09-142-524D-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-142-524D-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-142-524D-37
    US-08-467-023-37
                                                                                                                                     ò
                                                                                                                                                                             ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d
```

```
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
NUMBER OF SEQUENCES: ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 35; DB 1; Length 18;
Pred. No. 48;
5; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READBLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compactable
OPERATING SYSTEM:
PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUW-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB.1994
PRIOR APPLICATION DATA:
  PRIOR APPLICATION DATA:

APPLICATION NUMBER:
FILING DATE: 08-0CT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/82710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/82710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION NUMBER: 28,616
REGISTRATION NUMBER: 28,616
REGISTRATION NUMBER: 29,616
RECISTRATION INFORMATION:
NAME: Hasak, Janet B.
REGISTRATION NUMBER: 29,616
RECISTRATION NUMBER: 29,616
RECISTRATION NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 12, Application US/08459214; Patent No. 5716810; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 32.4%;
Best Local Similarity 33.3%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 SHVILHGLNIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :|::|| : : |
3 AHILLHAVRVSG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-459-850-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JS-08-459-214-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 12, Application US/08459850

Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES:
ADDRESSE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CTITY: South San Francisco
STATE: California
CONTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32.4%; Score 35; DB 1; Length 18; 33.3%; Pred. No. 48; 3; Indels tive 5; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZOUNTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk COMPUTER: IEM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,850

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION DATA:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
PROR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/806729
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTONNEY/AGENT INFORMATION:
NAME: HABSK, JANET E.
REGISTRATION NUMBER: 28,616
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 415/952-9881
TELEX: 910/31-1768
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 18 amino acids
TYPE: amino acid
TYPE: amino acid
COPOLOGY: linear
US-08-197-792-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 33.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4 SHVILHGLNIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 AHILLHAVRVSG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-459-850-12
```

ò g

```
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
  CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11 LNIHGCNTSV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : ||:||:||
KRVSNVIIHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 LYLYGCSTSV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                         amino acid
XGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 9
US-09-142-524D-168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 10
US-09-142-524D-167
                                                                                                                                                                                                                                                                                                TYPE: ami
TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT Griffeth, Irwin J.;
APPLICANT Pollock, Joanne;
APPLICANT Bollock, Joanne;
APPLICANT Bollock, Joanne;
APPLICANT Garman, Richard D;
APPLICANT Kuo, Mei-Chang;
APPLICANT Kuo, Mei-Chang;
APPLICANT Brauer, Andrew;
APPLICANT Brauer, Andrew;
APPLICANT Brauer, Andrew;
APPLICANT Brauer, Andrew;
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                32.4%; Score 35; DB 1; Length 18; 33.3%; Pred. No. 48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25
CUBRENT APPLICATION DATA.
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5; Mismatches
                   FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/144207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB1-986
PRIOR APPLICATION NUMBER: 06/783910
FILING DATE: 07-FEB1-986
PRIOR APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY AGENT INFORMATION:
NAME: HABAR, JAINEE E.
REGISTRATION NUMBER: 297P206
TELECOMMUNICATION NUMBER: 297P206
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS_DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 38, Application US/08467023 Patent No. 6090386 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 12: SEQUENCE CHARACTERISTICS: LENGTH: 18 amino acids
APPLICATION NUMBER: 07/99
FILING DATE: 08-OCT-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 SHVILHGLNIHG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :|::|| : : |
3 AHILLHAVRVSG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ropology:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-459-214-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-023-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
```

```
Sequence 168, Application US/09142524D

Sequence 168, Application US/09142524D

Sequence 168, Application US/09142524D

Sequence 168, Application US/09142524D

APELICANT: Nume, Akinori

APPLICANT: Sone, Toshio

APPLICANT: Nume, Akinori

APPLICANT: Mame, Akinori

APPLICANT: Mino, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT PILING DATE: 1999-09-09

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

LENGTH: 10

LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.5%; Score 34; DB 4; Length 10; 60.0%; Pred. No. 35; tive 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 32.4%; Score 35; DB 3; Length 20; Best Local Similarity 60.0%; Pred. No. 54; Matches 6; Conservative 3; Mismatches 1; Indels
                                                                                                                              025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 167, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Rume, Akinori
APPLICANT: Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-6.
US-09-142-524D-168
                FILING DATE: December 6, 1994
ATTONBY/AGRWI INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 I
TELECOMMUNICATION INFORMATION:
TELEFAN: (617) 227-7400
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
08/350,225
```

```
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PUT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 13
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Luama, Akinori
APPLICANT: Luama, Akinori
APPLICANT: Luama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Wino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TILE REFERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NOS: 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 34; DB 4;
Pred. No. 47;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 34; DB 4
Pred. No. 47;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 174, Application US/09142524D Patent No. 6719976 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165
                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 60.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 60.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
                                                                                                                Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 : ||:||:||
4 KRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       : ||:||:||
4 KRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-142-524D-174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 166, Application US/09142524D

Sequence 166, Application US/09142524D

Patent NO. 6719376

GENERAL INFORMATION:
APPLICANT: Kume, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Work Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
TITLE OF INVENTION Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
FILE REFERENCE: SPO-103
FILE REFERENCE: SPO-103
FILE REFERENCE: POT-099
FILE REFERENCE: POT-099
FILE REFERENCE: 1998-09-09
FRIOR PRILING DATE: 1999-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SED ID NO 166
LENGTH: 12
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea; CURRENT APPLICATION NUMBER: US/09/142,524D; CURRENT FILING DATE: 1998-09-09; PRIOR APPLICATION NUMBER: PCT/JP97/00740; PRIOR PILING DATE: 1999-03-10; NUMBER OF SEQ ID NOS: 174; SOFTWARE: Patentin version 3.1
SEQ ID NO 167
LEMDIN: 11
TYPE. .....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 34; DB 4; Length 11;
Pred. No. 39;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 34; DB 4; Length 12;
Pred. No. 43;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: MISC FEATURE
COTHER INFORMATION: Figure 15, p22-4.
US-09-142-524D-166
                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: MISC FEATURE

OTHER INFORMATION: Figure 15, p22-5.
US-09-142-524D-167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 13, Application US/09142524D Patent No. 6719976 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31.5%;
60.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31.5%;
60.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : ||:||:||
2 KRVSNVIIHG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 KRVSNVIIHG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-142-524D-166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-142-524D-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
```

```
RESULT 15
US-09-142-514D-164
i Sequence 164, Application US/09142524D
i Patent No. 6719976
j Patent No. 6719976
i Patent No. 6719976
j Patent No. APPLICANT: Sone, Toshio
j APPLICANT: Kume, Akihori
j APPLICANT: Wama, Akiko
j APPLICANT: Dairiki, Kazuo
j APPLICANT: Wama, Akiko
j TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
j FILE REPRENCE: SPO-103
j CURRENT FILING DATE: 1997-03-10
j RIOR APPLICATION NUMBER: DCT/JD97/00740
j PRIOR FILING DATE: 1997-03-10
j NUMBER OF SEQ ID NOS: 174
j SEQ ID NO 164
j TURNE NO 164
j TURNE NO 164
j TURNE NO 164
j TURNE NO 164
                                                                                                                                                                                                                                                                                                                                                                         ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                       .
,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .;
0
                                                                                                                                                                                                                                                                                                                          Ouery Match 31.5%; Score 34; DB 4; Length 13; Best Local Similarity 60.0%; Pred. No. 47; Matches 6; Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 60.0%; Pred. No. 51;
Matches 6; Conservative 3; Mismatches 1; Indels
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFWARE: Patentin version 3.1
SEQ ID NO 174
LENGTH: 13
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Search completed: June 20, 2005, 14:22:17 Job time: 17.15 secs
                                                                                                                                                                                                                      ; NAME/KEY; MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-09-142-524D-174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
NAME/KEY: MISC_FEATURE
THER INFORMATION: Figure 15, p22-2.
US-09-142-524D-164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                 1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                        : ||:||:||
4 KRVSNVIIHG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 RTVSHVILHG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          : ||:||:||
5 KRVSNVIIHG 14
                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
```

Tue Jun 21

```
Sequence 41, Appl
Sequence 41, Appl
Sequence 51, Appl
Sequence 51, Appl
Sequence 51, Appl
Sequence 91, Appl
Sequence 91, Appl
Sequence 32, Appli
Sequence 25, Appli
Sequence 25, Appli
Sequence 25, Appli
                                                                                                                                                                     (without alignments)
143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published Applications An:

(cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*

(cgn2_6/ptodata/2/pubpaa/US06_PUBGOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US06_PUBGOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

(cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUB.pep:*

(cgn2_6/ptodata/2/pubpaa/US10_PUB.pep:*
                                                                                                                                             June 20, 2005, 14:14:01; Search time 53.45 Seconds
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 US-10-354-240-42

1 US-10-354-240-41

1 US-10-354-240-43

1 US-09-813-33-51

2 US-10-044-703-51

3 US-10-044-703-51

3 US-10-094-595-91

3 US-09-994-595-91

3 US-09-865-294-595-91

3 US-09-865-294-25

3 US-10-789-619-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                    1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Published_Applications_AA:*
                                                                                            OM protein - protein search, using sw model
                                                                                                                                                                                                                                        US-09-202-464-16
99
1 SGNVLISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                          BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             111.
121.
121.
13.
114.
116.
119.
119.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .01
                                                                                                                                                                                                                                             Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                   Seguence:
                                                                                                                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database
                                                                                                                                             Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Result
No.
```

Sequence 25, Appl Sequence 1608, App Sequence 366, App Sequence 316, App Sequence 31, Appl Sequence 55, Appl Sequence 41, Appl Sequence 41, Appl Sequence 47, Appl Sequence 49, Appl Sequence 55, Appl Sequence 61, Appl Sequence 61, Appl Sequence 51, Appl Sequence 61, Appl Sequence 11, Appl Sequence 11, Appl Sequence 25, Appl Sequence 25, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl	Agent for Treating Allergic
US-10-861-614-25 US-10-808-187-1608 US-08-424-550B-366 US-09-744-802-49 US-09-747-802-57 US-09-747-802-57 US-09-665-294-49 US-09-865-294-49 US-09-865-294-49 US-09-865-294-49 US-10-789-619-55 US-10-789-619-55 US-10-789-619-55 US-10-789-619-57 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-861-614-49 US-10-956-829-63 US-10-956-294-31 US-09-747-802-35 US-09-747-802-35 US-09-747-802-35 US-09-747-802-44 US-09-865-294-30	unotherapeutic, 240 740 24 3ure 1, Row 28
33.5 34.5 35.5 36.5 37.5 37.3	-42 No. US2003018584 No. US2003018584 No. US2003018584 Sone, Toshio Kume, Akinori Dairiki, Kazuo Iwama, Akiko Kino, Kohauke Kino, Kohauke Kunzion Numer: 2003-1030 ICATION NUMER: PLICATION NUMER: 1997-03-1030 ICATION NUMER: 1997-03-103-1030 ICATION NUMER: 1997-03-103-1030 ICATION NUMER: 1998-09-8EQ ID NOS: 174 SEQ ID
	RESULT 1 US-10-354-240 Sequence 42, Publication GENERAL INFO APPLICANT: APPLI

Disea

ö

Gaps

ö

Indels

DB 14; Length 15;

52.5%; Score 52; DB 14 66.7%; Pred. No. 0.12; tive 2; Mismatches

Query Match 52.5 Best Local Similarity 66.7 Matches 10; Conservative

```
RESULT 5
US-10-044-703-51
Sequence 51, Application US/10044703
; Publication Wo. USZ0020192233A1
; GENERAL INFORMATION:
    APPLICANT: DeGroot, Anne S
    TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
    FILE REFERENCE: 17999-004 US
    CURRENT APPLICATION NUMBER: US/10/044,703
    CURRENT FILING DATE: 2002-05-20
    RIOR FILING DATE: 2002-05-20
    NUMBER OF SEQ ID NOS: 81
    SOFTWARE: PatentIn Ver. 2.1
    SOFTWARE: PatentIn Ver. 2.1
    SEQ ID NO 51
    LENGTH: 20
                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                Sequence 51, Application US/0981333

Patent No. US20020119160A1

GENERAL INFORMATION:
GENERAL INFORMATION:
HUMAN DEGINOCI, HUMAN T Cell Response to MHC-Binding Motif Clusters
FILE REFERENCE: 17999-004 US
CURRENT FILING DATE: 2001-03-20
PRIOR APPLICATION NUMBER: 60/190,834
PRIOR PILING DATE: 2000-03-20
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin Ver. 2.1
SOFTWARE: Patentin Ver. 2.1
                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                          ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               36.4%; Score 36; DB 13; Length 20; 54.5%; Pred. No. 79; tive 2; Mismatches 3; Indel8
                 DB 14; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        36.4%; Score 36; DB 9; Length 20; 54.5%; Pred. No. 79; 3; Indels live 2; Mismatches 3; Indels
                                                          2; Indels
                                                          0; Mismatches
                   Score 43;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Mycobacterium tuberculosis US-09-813-333-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 51, Application US/10239103; Publication No. US20040057961A1; GENERAL INFORMATION:
                   43.4%;
               Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10 SGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : |||:| ||
10 TAVVPLHRSDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10 SGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10 TAVVPLHRSDG 20
                                                                                                                           1 GVEPVHPQDG 10
                                                                                                   11 GVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                      RESULT 4
US-09-813-333-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-239-103-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 20
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 6
                                                                                                     ઠે
                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                APPLICANT: Sone, Toshio

APPLICANT: Sone, Akinori

APPLICANT: Kume, Akinori

APPLICANT: Kume, Akinori

APPLICANT: Iwama, Akiko

CIRRENT: Iwama, Akiko

CIRRENT: SPO-103D1

CIRRENT APPLICATION NUMBER: US/10/354,240

CIRRENT APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Wime, Akinori
APPLICANT: Wime, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Wino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: DCT/AP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR PLILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 48; DB 14; Length 15;
Pred. No. 0.57;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE

1 LOCATION: (1)..(15)

CTHER INFORMATION: Cryjl peptide, Figure 1, Row 29

US-10-354-240-43

    i LOCATION: (1) .. (15)
    i OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 27
    US-10-354-240-41

                                                                                                                                        Sequence 41, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 43, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 71.4%;
Matches 10; Conservative
                     |:|:|| ||| |||
1 INESFGVEPVHPQDG 15
6 ISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 GNVLISEASGVVPV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 GNVLINESFGVEPV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 3
US-10-354-240-43
                                                                                                                        US-10-354-240-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
ठे
                                    셤
```

```
8 GVVDIHVWDG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) ORGANISM: Measles virus
US-09-865-294-25
                                                                                                                                                                                                                                                                                                                                  11 GVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JS-09-865-294-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-747-802-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 16
TYPE: PRT
                                                                                                                                               TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: GOPALAKRISHNAKONE, Ponnampalam
APPLICANT: THAUN, Maung-Maung
APPLICANT: ONG, Wei-Yi
APPLICANT: SATO, Kazuki
TITLE OF INVENTION: Phospholipase A2-Inhibitory Peptide with Anti-Arthritic and
TITLE OF INVENTION: Neuroprotective Activities
FILE REFERENCE: 101045G116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 91, Application US/0994595
Fublication No. US20030039981A1
Sequence 91, Application US/09994595
Fublication No. US2003003981A1
SEMERAL INFORMATION:
APPLICANT: Bhattacharjee, J.
APPLICANT: Bhattacherjee, Vasker
TILLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
TILLE OF INVENTION: A BIOLOGICAL SAMPLE
FILE REFERENCE: 96,247-A
CURRENT APPLICATION NUMBER: 08/650,809
FRIOR FILING DATE: 1997-05-20
NUMBER OF SEQ ID NOS: 160
SOFTWARE: Microsoft Word 97
SEQ ID NO 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
APPLICANT: Brown University Research Foundation
APPLICANT: DeGroot, Anne S
TITLE OF INVENTION: Human S
FILE REFERENCE: 17999-004-061
CURRENT APPLICATION NUMBER: US/10/239,103
CURRENT APPLICATION NUMBER: US/10/239,103
PRIOR PILING DATE: 2002-09-19
PRIOR PILING DATE: 2001-03-20
PRIOR PILING DATE: 2001-03-20
PRIOR PILING DATE: 2000-03-20
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4. US-09-994-595-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
0
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 36.4%; Score 36; DB 15; Length 20; Best Local Similarity 54.5%; Pred. No. 79; Matches 6; Conservative 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 35.4%; Score 35; DB 10;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 2.
                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-239-103-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 9, Application US/10836825A; Publication No. US20050069530A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : |||:| ||
10 TAVVPLHRSDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10 SGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 VPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9 VPТНКО́рЬ 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-836-825A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-994-595-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 25, Application US/09865294

Publication No. US20030068325A1

Publication No. US20030068325A1

GREERAL INFORMATION:
GREERAL INFORMATION:
TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the TITLE OF INVENTION: prevention and treatment of Alzheimer's Disease FILE REPERENCE: 1151-4167

CURRENT APPLICATION NUMBER: US/09/865,294

CURRENT FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 76

SCOFTWARE: Patentin Ver. 2.0

SEQ ID NO 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 33, Application US/09747802
Publication No. US2003002797941
GENERAL INFORMATION:
APPLICANT: WANG, CIANG YI
TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
TITLE OF INVENTION UNMERS: US/09/747,802
CURRENT APPLICATION NUMBER: US/09/747,802
CURRENT FILING DATE: 2000-12-22
NUMBER OF SEQ ID NOS: 88
SOFTWARE: Patentin Ver. 2.1
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1;
                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 16;
                                                                                                                                                                                                                                                                           Score 34; DB 17; Length 18; Pred. No. 1.5e+02; 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 33.8%; Score 33.5; DB 10;
Best Local Similarity 53.3%; Pred. No. 1.6e+02;
Matches 8; Conservative 2; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 33.8%; Score 33.5; DB 10; Best Local Similarity 53.3%; Pred. No. 1.6e+02; Matches 8; Conservative 2; Mismatches 4;
CURRENT APPLICATION NUMBER: US/10/836,825A CURRENT FILING DATE: 2004-04-30 NUMBER OF SEQ ID NOS: 18 SOFWARE: Patentin version 3.3 SEQ ID NO 9
                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 60.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : |: || || || || 2 USDVKGVV-VHKVDG 15
                                                                                                                                                                                             ; ORGANISM: Python reticulatus US-10-836-825A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 ISEASGVVPVHAQDG 20
```

ò 셤

```
APPLICANT: OCHAN, MUNCA HOUND

APPLICANT: NICHOLLS, JOHN

TITLE OF INVENTION: A DIAGNOSTIC ASSAY FOR THE HUMAN VIRUS CAUSING SEVERE ACUTE
TITLE OF INVENTION: RESPIRATORY SYNDROME (SARS)

TITLE OF INVENTION: RESPIRATORY SYNDROME (SARS)

CURRENT FILING DATE: 2007-613-24

PRIOR PELICATION NUMBER: 60/457,730

PRIOR APPLICATION NUMBER: 60/457,730

PRIOR PLING DATE: 2003-03-26

PRIOR PLING DATE: 2003-04-02

PRIOR PLING DATE: 2003-04-03

PRIOR PLING DATE: 2003-04-04

PRIOR PLING DATE: 2003-04-04

PRIOR PLING DATE: 2003-04-04

PRIOR PLING DATE: 2003-04-04

PRIOR PLING DATE: 2003-04-14

PRIOR PLING DATE: 2003-04-04

PRIOR PLING DATE: 2003-04-14

PRIOR PLING DATE: 2003-04-14

PRIOR PLING DATE: 2003-04-23

PRIOR PLING DATE: 2003-05-16

NUMBER OF SEQ ID NOS: 2476

SEQ ID NO 1608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: JOHN N. SIMONS
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMI J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT WUERHOFF
APPLICANT: ANTHONY SCOTT WUERHOFF
APPLICANT: JAMES C. ERKER
APPLICANT: JAMES C. ERKER
APPLICANT: ISA K. MUSHAHMAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Human severe acute respiratory system virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIE: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 32.3%; Score 32; DB 17; Lu
Best Local Similarity 87.5%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 D377/AP6D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 366, Application US/08424550B
; Publication No. US20020119447A1
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SSEE: ABBOTT LABORATORIES
F: 100 ABBOTT PARK ROAD
ABBOTT PARK
CHAN, KWOK HUNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7 SEASGVVP 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEASGPVP 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-808-187-1608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 14
US-08-424-550B-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Squence 25, Application US/10861614

Publication No. US20040247612A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention an TITLE OF INVENTION: treatment of Alzheimer's Disease
TITLE OF INVENTION: Leatment of Alzheimer's Disease
TITLE OF INVENTION: US/10/861,614
CURRENT APPLICATION WHOBER: US/10/861,614
CURRENT PILING DATE: 2004-06-04
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin version 3.1
SEQ ID NO 25
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                       TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
CURRENT APPLICATION NUMBER: US/10/789,619
CURRENT FILING DATE: 2004-02-27
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 33
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: T HELPER; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-10-789-619-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
33.8%; Score 33.5; DB 16; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.6e+02;
Matches 8; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
33.8%; Score 33.5; DB 16; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.6e+02;
Matches 8; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1608, Application US/10808187
Publication No. US20050009009A1
GENERAL INFORMATION:
APPLICANT: PEIRIS, JOSEPH S. M.
APPLICANT: YUEN, KWOK YUNG
APPLICANT: POON, LIT MAN
APPLICANT: GUAN, YI
                                                                                                                                                               US-10-789-619-33
; Sequence 33, Application US/10789619
; Publication No. US20040141993A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                            : |: ||| || ||
2 VSDVKGVV-VHKVDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 ISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 VSDVKGVV-VHKVDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6 ISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :|: || || || || || || 2 VSDVKGVV-VHKVDG 15
6 ISEASGVVPVHAQDG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Measles virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-808-187-1608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-861-614-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-861-614-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
```

ò 셤 ò 셤 4 MSPSNNVVPIH 14

```
Search completed: June 20, 2005, 15:55:12
Job time : 53.45 secs
        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-LU-(10-013-116)

Bequence 316, Application US/1076013

Publication No. US20040226056A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: MATTAD GENETICS, INC.

APPLICANT: Rach, Jean-Marc

APPLICANT: Bartel, Paul

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND

FRIOR FILING DATE: 2001-09-10

PRIOR FILING DATE: 1999-12-21

PRIOR PELICATION NUMBER: 60/14123

PRIOR APPLICATION NUMBER: 60/14123

PRIOR PELICATION NUMBER: 60/24070

PRIOR PELICATION NUMBER: 60/24070

PRIOR PELICATION NUMBER: 60/24070

PRIOR PELICATION NUMBER: 60/24070

PRIOR PELICATION NUMBER: 60/14024

PRIOR PELICATION NUMBER: 60/14026

PRIOR PELICATION NUMBER: 60/140475

PRIOR PELICATION NUMBER: 60/140475

PRIOR PERIOR PELICATION NUMBER: 60/140475

PRIOR PELICATION NUMBER: 60/140475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
32.3%; Score 32; DB 16; Length 20;
Best Local Similarity 45.5%; Pred. No. 3.7e+02;
Matches 5; Conservative 4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 32.3%; Score 32; DB 8; Length 16; Best Local Similarity 100.0%; Pred. No. 2.8e+02; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                     ATTORNEY/AGENT INFORMATION:

NAME: POREMBSKI, PRISCILLA E.

REGISTRATION NUMBER: 33,207.

REPERENCE/DOCKET NUMBER: 5527.PC.01

TELECOMMUNICATION INFORMATION:

TELEPHONE: 708-937-6365

TELEFAX: 708-938-2633

INFORMATION FOR SEQ ID NO: 366:

SEQUENCE CHARACTERISTICS:

LENGTH: 16 amino acids

TYPE: amino acid

US-08-424-5508-366
APPLICATION NUMBER: US/08/424,550B
                                        FILING DATE:
CLASSIFICATION: 435435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
CORGANISM: Homo sapiens
US-10-776-013-316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 VPVHAQ 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 VPVHAO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 316
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
```

6 ISEASGVVPVH 16

ઠે

THIS PAGE BLANK (USPTO)

```
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: incernal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JS-08-467-023-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                  43, Appl

40, Appl

41, Appli

42, Appli

43, Appli

131, Appli

44, Appli

45, Appli

45, Appli

46, Appli

47, Appli

48, Appli

4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39, Appl
Sequence 42, Appl
                                                                                                                           June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15,
21,
49,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 91,
Sequence 4, 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Issued Patents AA:*

(cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-467-023-39

US-09-142-524D-42

US-09-142-524D-43

US-09-142-524D-43

US-09-106-56BE-91

US-09-106-56BE-91

US-09-106-56BE-91

US-09-106-409A-63

US-09-107-004-09A-63

US-09-107-004-09A-63

US-09-107-004-09A-63

US-09-101-096-11

US-09-101-096-11

US-08-467-366

US-08-467-34AA-366

US-09-100-414B-21

US-09-303-323-21

US-09-303-323-21

US-09-770-014-21
                                                                                                                                                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                 513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                      - protein search, using sw model
                                                                                                                                                                                                                                                                   1 SGNVLISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                               BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                      US-09-202-464-16
99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                    OM protein
                                                                                                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                                                                                                   Searched:
                                                                                                                                Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Š.
```

```
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION WINBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: PCT/JP97/00740
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-467-023-40

| Sequence 40, Application US/08467023
| Sequence No. 6090386
| Patent No. 
                                                                                           Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 15;
                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   iB: ImmuLogic Pharmaceutical Corporation, Inc.
610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; LOCATION: (1)...(15) .....
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29
US-09-142-524D-43
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 27
US-09-142-524D-41
                                                                                           DB 4;
0.13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 43; DB 4;
Pred. No. 0.89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                  US-09-142-524D-43; Sequence 43, Application US/09142524D; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 80.0%;
Matches 8; Conservative (
                                                                                       Query Match
Best Local Similarity 71.4%;
Matches 10; Conservative
                                                                                                                                                                                                                     2 GNVLISEASGVVPV 15
                                                                                                                                                                                                                                                                             2 GNVLINESFGVEPV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 GVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GVEPVHPQDG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: MA
COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 43
                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Name, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REPERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR RILING DATE: 1999-03-10
NUMBER OF SEQ ID NOS: 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Haman, Akiko
APPLICANT: Kino, Kohsuke
IITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                Gaps
                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 52.5%; Score 52; DB 4; Length 15; Best Local Similarity 66.7%; Pred. No. 0.027; Matches 10; Conservative 2; Mismatches 3; Indels
                                                           72.7%; Score 72; DB 3; Length 20; 73.7%; Pred. No. 1.7e-05;
                                                                                                                             3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)...(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 28
US-09-142-524D-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 42
LENGTH: 15
                                                                                                                             2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 41, Application US/09142524D Patent No. 6719976 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 42, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                        2 GNVLINESFGVEPVHPQDG 20
                                                                                                                                                                                         2 GNVLISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 ISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |:|:|| ||| |||
1 INESFGVEPVHPQDG 15
                                                                                                                             14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1). (15)
                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                         RESULT 2
US-09-142-524D-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-524D-41
      US-08-467-023-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 41
LENGTH: 15
                                                                     Query Match
                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠ
```

```
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Bhattacharjee, J.
APPLICANT: Shattacharjee, J.
APPLICANT: Shattacharjee, J.
APPLICANT: Bhattacherjee, Vasker
APPLICANT: Bhattacherjee, Vasker
TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
TITLE OF INVENTION: METHODS AND SAMPLE
TILE REFERENCE: 96,247-A
CURRENT APPLICATION NUMBER: US/09/106,568E
CURRENT FILING DATE: 1997-06-20
PRIOR APPLICATION NUMBER: 08/650,809
PRIOR PILING DATE: 1997-05-20
SOFTWARE MICROSOFT WORD 97
SEQ ID NO 91
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
US-09-106-568E-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            43.4%; Score 43; DB 3; Length 20; 80.0%; Pred. No. 1.3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        35.4%; Score 35; DB 4; Length 19; 75.0%; Pred. No. 26; 2; Indels tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Indels
                                                                                                                                                                                                                                                                                         ATTORNET AGENT INCREMENTATION
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECHOMICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 40: SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acids
TOPOLOGY: linear
            COMPUTER KEALMADIDE FORD:

COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COURENT OF PATENTIAN PC-DOS/MS-DOS
SOFTWARE: PATENTIAN DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. 1.3
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 6
US-09-106-568E-91
; Sequence 91, Application US/09106568E
; Patent No. 6455248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 75.v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 GVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GVEPVHPODG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 VPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9 VPTHKODG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-467-023-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                쉱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
```

RESULT 7 US-09-100-414B-4

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ٦,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.8%; Score 33.5; DB 3; Length 16; 53.3%; Pred. No. 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
SOFTWARE: #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/100,409A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Mismatches
Sequence 4, Application US/09100414B
Patent No. 6025468
GENERAL INFORMATION:
APPLICANT: Wangy Chang Yi
TITLE OF INVENTION: INMUNOGENS
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBW PC compatible
OPERATING SYSTEM: PC Windows
SOFTWARE: Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/100,414B
FILING DATE: 20-UNE-1998
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maria H. Lin
REGISTRATION NUMBER: 29,323
REGISTRATION NUMBER: 1151-4157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 : |: || || || 2 vsDVKGVV-VHKVDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6 ISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 53.37
Best Local 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
                                                                                                                                                                                                   COUNTRY: USA
ZIP: 10154-0054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 10154-0054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 8
US-09-100-409A-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-100-414B-4
```

```
Query Match
Best Local Similarity 53.3%;
Matches 8; Conservative ;
2 VSDVKGVV-VHKVDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 VSDVKGVV-VHKVDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 ISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 212-/21
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
"PMCTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: LINEAR
MOLECULE TYPE: peptide
                                                                        RESULT 10
US-09-770-014-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-770-014-4
                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1,
                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 3; Length 16;
                                                                                                                                                                                                                                                                                                 33.8%; Score 33.5; DB 3; Length 16; 53.3%; Pred. No. 38;
                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     33.8%; Score 33.5; D
53.3%; Pred. No. 38;
tive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                      2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 4. Application US/09303323
; Batent No. 6228987
; GENERAL INFORMATION:
    TITLE OF INVENTION: NOVEL LHRH PEPTIDE
    TITLE OF INVENTION: IMMUNOGENS
    TITLE OF INVENTION: IMMUNOGENS
    NUMBER OF SEQUENCES: 106
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Morgan & Finnegan, L.L.P.
    STREET: 345 Park Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: New York
COMPUTE: NY
COMPUTER: USA
ZIP: 10154-0054
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compacible
OPERATING SYSTEM: PC Windows
SOFTWARE: Mord 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/303,323
FILING DATE: 30-APR-1999
CLASSIPRICATION NUMBER: 09/100,414
FILING DATE: 20-UNWE-1998
ATTORNEY/AGENT INFORMATION:
NAME: MATIA H. LIN
REGISTATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4157
TELECOMMUNICATION INPORMATION:
TELEPHONE: 212-758-4800
                                                                            1151-4154
                                                REGISTRATION NUMBER:
REFRENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: 212-758-6849
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                       6 ISEASGWPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                              : |: ||| || ||
2 VSDVKGVV-VHKVDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 ISEASGVVPVHAQDG 20
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 53.31
Best Local 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                 Best Local Similarity 53.3
Matches 8; Conservative
                                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: LINEAR; MOLECULE TYPE: peptide US-09-303-323-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
                                                                                                                                                                                                                                                           US-09-100-409A-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 9
US-09-303-323-4
                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                           요
```

```
MESURE TO 1014-4

MESURE AL PROMATION:

MESURE NO. 4652928

MERCH NO. 4652928

MINDER CONTINUE MESURE NOVEL HER PEPTIDE

MINDER CONTINUE MESURE NOVEL HER PEPTIDE

MINDER CONTINUE MESURE NOVEL HER PEPTIDE

MINDER CONTINUE MESURE NOVEL MESURE

MINDER CONTINUE MESURE NOVEL MESURE

MESURE MESURE MESURE

MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE

MESURE MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE MESURE

MESURE

M
```

ö

Gaps

ö

```
Length 14;
                    APPLICANT: Michael H. Shapero
APPLICANT: Lariaa Taavaler
TITLE OF INVENTION: Prostate Tumor Polynucleotide and
TITLE OF INVENTION: Antigen Compositions
FILE REFERENCE: 7636-0015.30
CURRENT APPLICATION NUMBER: US/09/112,096
CURRENT FILING DATE: 1998-07-09
EARLIER APPLICATION NUMBER: 60/056,110
BARLIER FILING DATE: 1997-08-20
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             us-08-960-128-6
; Sequence 6, Application US/08960128
; Patent No. 5951985
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Butler, Sandra M.
APPLICANT: Bos, Ebo.
APPLICANT: Hanna, Micheal G.
APPLICANT: Hanna, Micheal G.
APPLICANT: Happel, Martin V.
APPLICANT: Woover, Herbert C.
ITTE OF INVENTION: Tumor Associated Epitopes
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESSES: ACCIONATE STREET: 1300 Piccard Drive, Suite 206
CITY: Rockville
STRATE: Maryland
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E: Akzo No. 5951985el Patent Department
1300 Piccard Drive, Suite 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/960,128
                                                                                                                                                                                                                                                                                                                                                                                                                                              33.3%; Score 33; DB 3;
58.3%; Pred. No. 39;
tive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFICATION 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/478,591
FILING DATE: 07-UN-1995
ATTORNEY/AGENT INFORMATION:
NAME: GO-MILEY, MAY E.
REGISTRATION NUMBER: 34,409
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC COmpatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (301) 977-0847
INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS: LENGTH: 15 amino acids TYPE: amino acid STRANDEDNESS: not relevant TOPOLOGY: not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 58.33,
7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 VLISEASGVVPV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 VKINEKSGKIPV 14
                                                                                                                                                                                                                                                                                                                     LENGTH: 14
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                  US-09-112-096-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: WANG, CHANG YI
TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
FILE REFERENCE: 1151-4165
CURRENT APPLICATION NUMBER: US/09/747,802
CURRENT PILING DATE: 2000-12-22
NUMBER OF SEQ ID NOS: 88
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             33.8%; Score 33.5; DB 4; Length 16; 53.3%; Pred. No. 38; tive 2; Mismatches 4; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-09-747-802-33
               MEDIUM TYPE: Floppy disk
COMEUTER: IBM PC compatible
OPERATING SYSTEM: PC windows
SOFTWARE: Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/701,588C
FILING DATE: 29-No. 6713301-2002
CLASSIFICATION: cUnknown>
PRIOR APPLICATION NUMBER: 09/100,414
FILING DATE: 20-JUNE-1998
ATTORNEY/AGENT INFORMATION:
NAME: MARIA H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4158PC1
TELECOMMUNICATION INFORMATION:
TELEFAX: 212-758-4800
TELEFAX: 212-758-4800
TELEFAX: 212-758-4800
TELEFAX: 212-758-4800
TELEFAX: 212-758-4800
TELEFAX: 212-758-4800
TELEFAX: 17PE: amino acids
TYPE: amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
33.8%; Score 33.5; D
Best Local Similarity 53.3%; Pred. No. 38;
Matches 8; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: LINEAR

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-701-588C-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-112-096-11
; Sequence 11, Application US/09112096
; Patent No. 619415.
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 33, Application US/09747802; Patent No. 6780969
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 ISEASGVVPVHAQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 VSDVKGVV-VHKVDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 VSDVKGVV-VHKVDG 15
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 53.3
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 12
US-09-747-802-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO.33
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
```

g

g

```
Job time : 16.15 secs
                                                                                                                                                                                                                                                                                                                                                                                                ö
                        ö
                                                       Gaps
                        Gaps
                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                ..
0
                                                                                                                                                                                                                                                                                                                                                                                  32.3%; Score 32; DB 4; Length 16; 100.0%; Pred. No. 68; D: Mismatches 0; Indels
           32.3%; Score 32; DB 2; Length 15; 60.0%; Pred. No. 63;
                       1; Indels
                       3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                  Query Match 32.3
Best Local Similarity 100.
Matches 6; Conservative
                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: protein
                                   5 LISEASGVVP 14
                                         |:||:| |:|
5 LVSESSDVLP 14
          Query Match
Best Local Similarity
Matches 6; Conserva
                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                          13 VPVHAQ 18
                                                                                                                                                                                                                                                                                                                                                                                                                  |||||||
4 VPVHAQ 9
                                                                                                                                                                                                                                                                                                                                                                        US-08-469-260A-366
US-08-960-128-6
                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                    ð
                                              В
```

Search completed: June 20, 2005, 14:22:17

us-09-202-464-17.rapb

```
June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Published Applications AA:*

| cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pep:*
| cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pep:*
| cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pep:*
| cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pep:*
| cgn2_6/ptodata/2/pubpaa/US08_NEW PUB.pep:*
| cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US09_NEW PUB.pep:*
| cgn2_6/ptodata/2/pubpaa/US09_NEW PUB.pep:*
| cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
| cgn2_6/ptodata/2/pubpaa/US11B_W PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                      - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                      104
1 GVVPVHAQDGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                     US-09-202-464-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                  Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
                                                                                                                                          OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Searched:
                                                                                                                                                                                                           Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Appl	Appli	App	Appl	Appl						
Description	Sequence 43,	Sequence 44,	Sequence 42,	Sequence 91,	Sequence 51, P	Sequence 51,	Sequence 51,	Sequence 9, 1	Seguence 366,	Sequence 13,	Sequence 53, Appl
ΩI	US-10-354-240-43	US-10-354-240-44	US-10-354-240-42	US-09-994-595-91	US-09-813-333-51	US-10-044-703-51	US-10-239-103-51	US-10-836-825A-9	US-08-424-550B-366	US-10-468-543-13	US-10-256-850-53
DB	14	14	14	10	σ	13	15	17	80	15	15
·* Query Match Length DB	15	15	15	19	20	20	20	18	16	11	13
.* Query Match	59.6	51.9	41.3	35.6	33.7	33.7	33.7	32.7	30.8	29.8	29.8
Score	62	54	43	37	35	35	35	34	32	31	31
Result No.	-	63	٣	4	S	9	7	80	σ	10	11

Sequence 39, Appl Sequence 61, Appl Sequence 190, Appl Sequence 190, Appl Sequence 57, Appl Sequence 57, Appl Sequence 248, Appl Sequence 248, Appl Sequence 248, Appl Sequence 378, Appl Sequence 318, Appl	
US-09-826-290-39 US-10-264-390-11 US-10-264-309-145 US-10-264-309-19 US-10-256-850-56 US-10-256-850-56 US-10-256-850-56 US-09-735-705-248 US-09-735-705-378 US-09-850-716A-37 US-09-897-778-248 US-09-897-778-24 US-10-007-700-24 US-10-007-700-24 US-10-280-666-31	15 US-10-71313-986-378 16 US-10-775-972-348 16 US-10-775-972-348 10 US-09-894-594-37 11 US-10-478-647-8 13 US-10-135-207-13 14 US-10-356-191-21 10 US-09-990-186-675 10 US-09-989-994-675 10 US-09-989-994-675
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
	66666655000000000000000000000000000000
111124 11114 11174 11744 1174	44443222222222222222222222222222222222

ALIGNMENTS

US-10-354-240-43
; Sequence 43, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

```
JOHNSTAN INFORMATION:

JAPPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Mama, Akinori

APPLICANT: Mama, Akino

APPLICANT: Mino, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFERENCE: S00-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SQ ID NOS: 174

SEQ ID NO 8: 174

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 59.6%; Score 62; DB 14; Length 15; Best Local Similarity 73.3%; Pred. No. 0.0024; Matches 11; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: MISC_FEATURE
CCATION: (1)...(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 29
US-10-354-240-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
```

ö

Gaps ö

ò В

```
; Sequence 31. Application US/09994595; Publication No. US20030039981A1; Sequence 31. Application No. US20030039981A1; GENERAL INFORMATION:
; APPLICANT: Bhattacharjee, J.; APPLICANT: Bhattacharjee, Vasker; APPLICANT: Bhattacharjee, Vasker; TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN; TITLE OF INVENTION: A BIOLOGICAL SAMPLE; FILE REFERENCE: 96,247-A; CURRENT APPLICATION NUMBER: US/09/994,595; CURRENT APPLICATION NUMBER: 08/650,809; PRIOR APPLICATION NUMBER: 08/650,809; PRIOR PRIOR DATE: 1997-05-20; NUMBER OF SEQ ID NOS: 160; SOFTWARE: Microsoft Word 97; SEQ ID NO 91; SEQ ID NO 91; SEQ ID NO 91; SEQ ID NO 91.
                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
US-09-994-595-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 51, Application US/0981333
| Sequence 51, Application US/0981333
| Patent No. US20020119160A1
| GENERAL INFORMATION:
| APPLICANTOCOC, Anne S
| TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
| TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
| FILE REFERENCE: 17999-004 US
| CURRENT APPLICATION NUMBER: US/09/813,333
| CURRENT FILING DATE: 2001-03-20
| PRIOR FILING DATE: 2000-03-20
| NUMBER OF SEQ ID NOS: 81
| SOFTWARE: Patentin Ver. 2.1
| SEQ ID NO 51
| LENGTH: 20
                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                             .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                  DB 14; Length 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 10; Length 19; 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 35; DB 9; Length 20;
Pred. No. 1.1e+02;
1; Mismatches 2; Indels
                                                             2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Indels
                    Score 43; DB 1
Pred. No. 3.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Mismatches
                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 37;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT; ORGANISM: Mycobacterium tuberculosis US-09-813-333-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          35.6%;
66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       33.7%;
                41.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Artificial sequence
                Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 33.7
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          35.6
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                1 GVVPVHAQDG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |||:| ||
12 VVPLHRSDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 VPVHAQDGD 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9 VPTHKQDGE 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 VVPVHAQDG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-813-333-51
                                                                                                           ò
                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     d
                                                                                                                             Sequence 44, Application US/10354240

Sequence 44, Application US/10354240

GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Wama, Akinori
APPLICANT: Iwama, Akino
APPLICANT: Wino, Kohsuke
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR APPLICATION NUMBER: 05 90/142,524

PRIOR PLING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 44

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Iwama, Akiko
CURRENT ELING, MARER: US/10/354,240
CURRENT APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR PLILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOPTWARE: Patentin version 3:1
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51.9%; Score 54; DB 14; Length 15; 60.0%; Pred. No. 0.051; tive 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: (1) - (15)
CTHER INFORMATION: Cryjl peptide, Figure 1, Row 28
US-10-354-240-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LOCATION: (1)...(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 30
US-10-354-240-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 42, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Cryptomeria japonica
1 GVVPVHAQDGDAITM 15
                         1 GVEPVHPQDGDALTL 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 HAQDGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 |||||:|:| |:
1 HPQDGDALTLRTATN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 60.09
Matches 9, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 3
US-10-354-240-42
                                                                                                                             US-10-354-240-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
```

ò d ö

```
CURRENT APPLICATION NUMBER: US/10/836,825A CURRENT FILING DATE: 2004-04-30 NUMBER OF SEQ ID NOS: 18 SOFWARE: Patentin version 3.3 SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 366, Application US/08424550B Publication No. US20020119447A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  B: ABBOTT LABORATORIES
100 ABBOTT PARK ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 366:
                                                                                                                                                                                                                                Query Match 32.7%;
Best Local Similarity 60.0%;
Matches 6; Conservative
                                                                                                                                                      ; ORGANISM: Python reticulatus US-10-836-825A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Thes 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSER: ABBOTT LA
                                                                                                                                                                                                                                                                                                                          1 GVVPVHAQDG 10
                                                                                                                                                                                                                                                                                                                                                       ||| :| ||
GVVDIHVWDG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 VPVHAQ 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
US-08-424-550B-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-424-550B-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                          TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 9, Application US/10836825A
Publication No. US20050069530A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL THWIN, Maung-Maung
APPLICANT: GOPALAKEISHNAKONE, Ponnampalam
APPLICANT: ONG, Wei-Yi
APPLICANT: SATO, Kazuki
TITLE OF INVENTION: Phospholipase A2-Inhibitory Peptide with Anti-Arthritic and
TITLE OF INVENTION: Neuroprotective Activities
FILE REFERENCE: 101045G116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 51, Application US/10239103
Sequence 51, Application US/10239103
Publication No US20040057961A1
GENERAL INFORMATION:
APPLICANT: Brown University Research Foundation
APPLICANT: DeGroot, Anne S
TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
FILE REFERENCE: 17999-004-061
CURRENT FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 09/813,333
PRIOR FILING DATE: 2001-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin Ver. 2.1
                US-10-044-703-51

Sequence 51, Application US/10044703

Sequence 51, Application US/10044703

Sequence 51, Application US/10044703

Publication No. US2002019233A1

GENERAL INFORMATION:

APPLICANT: DeGroot, Anne S

TITLE OF INFORMATION: Human T Cell Response to MHC-Binding Motif Clusters

FILE REFERENCE: 17999-004 US

CURRENT APPLICATION NUMBER: US/10/044,703

CURRENT APPLICATION NUMBER: 60/190,834

PRIOR PILING DATE: 2000-03-20

NUMBER OF SEQ ID NOS: 81

SSCTWARE: PatentIn Ver. 2.1

SSCTUD NO 51

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
33.7%; Score 35; DB 15; Length 20;
Best Local Similarity 66.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                33.7%; Score 35; DB 13; Length 20; 66.7%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-044-703-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-239-103-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |||:| ||
12 VVPLHRSDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 VVPVHAQDG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 VVPVHAQDG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12 WVPLHRSDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-836-825A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -10-239-103-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 51
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
```

```
Gaps
                                                                                                                                                                                                                                                                                                           APPLICANT: JOHN N. SIMONS
APPLICANT: TAMI J. PILOT-MATIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAL
APPLICANT: THOMAS P. LEARY
APPLICANT: THOMAS P. LEARY
APPLICANT: JAMES C. ERKER
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: REABENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
Score 34; DB 17; Length 18;
Pred. No. 1.4e+02;
1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30.8%; Score 32; DB 8; Lv
100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               D377/AP6D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
```

ö

```
APPLICANT: White, Frost Applicant Nucleic Acid Molecules, Polypeptides and Treatment of ITILE OF INVENTION: Uses Therefor, Including Diagnosis and Treatment of TITLE OF INVENTION: Alzheimer's Disease FILE REFERENCE: 2572-1-001 NO. 2000 CURRENT APPLICATION NUMBER: US 60/194,504

PRIOR PILING DATE: 2000-04-03

PRIOR FILING DATE: 2000-04-03

PRIOR FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 492

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Williams, Stephen A.

TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
TITLE OF INVENTION: Uses Therefor, Including Diagnosis and Treatment of
TITLE OF INVENTION: Alzheimer's Disease
FILE REFERENCE: 2572-1-001 NZ
CURRENT APPLICATION NUMBER: US/09/826,290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 61, Application US/09826290
Patent No. US20020164668A1
GENERAL INFORMATION
APPLICANT: Durham, L.Kathryn
APPLICANT: Herath, Herath, Mudiyanselage Athula Chandrasiri
APPLICANT: Kimmel, Lida H.
APPLICANT: Kimmel, Lida H.
APPLICANT: Parekh, Rajesh Bhikhu
                                                                                                                                                                                                                                                        APPLICANT: Durham, L.Kathryn
APPLICANT: Priedman, David L.
APPLICANT: Friedman, David L.
APPLICANT: Herath, Herath Mudiyanselage Athula Chandrasiri
APPLICANT: Kimel, Lida H.
APPLICANT: Parekh, Rajesh Bhikhu
APPLICANT: Potter, David M.
APPLICANT: Rohlff, Christian
APPLICANT: Silber, B. Michael
APPLICANT: Stiger, Thomas R.
APPLICANT: Sunderland, P. Trey
APPLICANT: Townsend, Robert Reid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 29.8%; Score 31; DB 9; Length 14; Best Local Similarity 50.0%; Pred. No. 3.3e+02; Matches 6; Conservative 1; Mismatches 5; Indel8
                                                                                                                                                                              ; Sequence 39, Application US/09826290; Patent No. US20020164668A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Potter, David M.
Rohlff, Christian
Silber, B. Michael
Stiger, Thomas R.
Sunderland, P. Trey
Townsend, Robert Reid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9 DGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 DGDTIIFSNVQE 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: homo sapien
                                :| || ||
3 LPAHAADG 10
3 VPVHAQDG 10
                                                                                                                             RESULT 12
US-09-826-290-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-826-290-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
ò
                                                                                                                        US-10-468-543-13

Sequence 13, Application US/10468543

Sequence 13, Application Woloso91938A1

Sequence 13, Application No. US20040091938A1

SEQUENCE INFORMATION:

APPLICANT: Irimura, Tatsuro

APPLICANT: Matsumoto, Mariko

APPLICANT: Wim, Mijung

APPLICANT: Wim, Mijung

TILE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same

FILE REPERBNCE: 03-786

CURRENT APPLICATION NUMBER: US/10/468,543

CURRENT APPLICATION NUMBER: US 2001-044221

PRIOR APPLICATION NUMBER: D 2001-044221

PRIOR PILING DATE: 2001-02-20

NUMBER OF SEQ ID NOS: 95

SOFTWARE: Patentin version 3.1

SEQ ID NO 13

LENGTH: 11

MATERIAL DEBARMES CONTRACTOR OF SEQ ID NO 13

LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Generated from randomly recombinant DNA part of MAH. US-10-468-543-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 53, Application US/10256850

Publication No. US20040024178A1

GENERAL INFORMATION:
APPLICANT: ASHMAN, STEPHEN
APPLICANT: BLACK, MICHAEL T.
APPLICANT: BRUTON, GORDON
APPLICANT: HUMPHRIES, ALFRED JOHN
APPLICANT: MOORE, KEITH JAMES
TITLE OF INVENTION: BACTERIAL SIGNAL PEPTIDASE INHIBITORS
TITLE OF INVENTION: AND USES THEREOF
FILE REPREMENCE: P92237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 29.8%; Score 31; DB 15; Length 13; Best Local Similarity 62.5%; Pred. No. 3e+02; Matches 5; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 29.8%; Score 31; DB 15; Length 11; Best Local Similarity 62.5%; Pred. No. 2.4e+02; Matches 5; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
, OTHER INFORMATION: Intermediate peptide resin US-10-256-850-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/256,850
CURRENT FILING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: 09/890,633
PRIOR FILING DATE: 2001-08-03
PRIOR FILING DATE: 2000-02-01
PRIOR FILING DATE: 2000-02-01
PRIOR FILING DATE: 2000-02-01
PRIOR FILING DATE: 1999-02-03
NUMBER OF SEQ ID NOS: 64
SOFTWARE: FastSEQ for Windows Version 4.0
SSGTUNOS DIO SECULO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 VVPVHAQD 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 VMPLHLOD 9
||||||
4 VPVHAQ 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -10-256-850-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
```

ö

```
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ## Patent No. US20020164668A1

| Patent No. US20020164668A1
| Patent No. US20020164668A1
| Patent No. US20020164668A1
| Patent House Herath Mudiyanselage Athula Chandrasiri
| APPLICANT: Priedman, David L. |
| APPLICANT: Kimmel, Lida H. |
| APPLICANT: Kimmel, Lida H. |
| APPLICANT: Rohlff, Christian APPLICANT: Rohlff, Christian APPLICANT: Stilber, B. Michael APPLICANT: Stilber, B. Michael APPLICANT: Stilber, B. Michael APPLICANT: Sunderland, P. Trey APPLICANT: Sunderland, Robert Reid APPLICANT: Sunderland, P. Trey APPLICANT: White, Frost APPLICANT: Williams, Stephen A. |
| APPLICANT: Williams, Stephen A. |
| TITLE OF INVENTION: USes Therefor, Including Diagnosis and Treatment of TITLE OF INVENTION: Alzheimer's Diagnosis and Treatment of TITLE OF INVENTION: Alzheimer's Diagnosis and Treatment OF FILE REFERENCE: 2572-1-001 N2 CURRENT FILING DATE: 2000-04-03 |
| PRIOR FILING DATE: 2000-04-03 |
| PRIOR FILING DATE: 2000-11-28 |
| NUMBER OF SEQ ID NOS: 492 |
| SOFTWARE: FastSEQ for Windows Version 4.0 |
| ELEMENT: DATE: DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29.8%; Score 31; DB 9; Length 14; 50.0%; Pred. No. 3.3e+02; ive 1; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29.8%; Score 31; DB 9; Length 14; ilarity 50.0%; Pred. No. 3.3e+02; Conservative 1; Mismatches 5; Indels
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: US 60/194,504
PRIOR FILING DATE: 2000-04-03
PRIOR APPLICATION NUMBER: US 60/253,647
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 492
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 190, Application US/10264309; Publication No. US20040022794A1; PEDREAL INFORMATION: APPLICANT: DURHAM, L. KATHRYN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 415, Application US/09826290 Patent No. US20020164668A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 50.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9 DGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9 DGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 DGDTIIFSNVQE 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 DGDTIIFSNVQE 13
                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: homo sapien
US-09-826-290-415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 6; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 15
US-10-264-309-190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 14
US-09-826-290-415
                                                                                                                                                                                                                                                                                                                                                                                                             US-09-826-290-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                          LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 요
```

```
APPLICANT: HERATH, HERATH

APPLICANT: KTWMEL, LIDA H

APPLICANT: KTWMEL, LIDA H

APPLICANT: PARENEH, RAJENH

APPLICANT: PARENEH, RAJENH

APPLICANT: STILBER, B. MICHAEL

APPLICANT: STILBER, B. MICHAEL

APPLICANT: STILBER, HIGHAR R.

APPLICANT: STRICER, THOWAS R.

APPLICANT: STRICER, THOWAS R.

APPLICANT: STRICER, THOWAS R.

APPLICANT: WILLIAMS, STEPHEN A.

TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR, TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR, TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR, TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR, TITLE OF INVENTION: NUMBER: US/11/264,309

CURRENT APPLICANTON NUMBER: US/11/264,309

CURRENT APPLICANTON NUMBER: US/11/264,309

CURRENT APPLICANTON NUMBER: US/11/264,309

NUMBER OF SEQ ID NOS: 491

SOFTWARE: PRIOR FILING DATE: 2001-10-03

NUMBER OF SEQ ID NOS: 491

SOFTWARE: PRIOR FILING DATE: 2001-10-03

NUMBER OF SEQ ID NOS: 491

SEQ ID NO 190

LENGTH: 14

TYPE: BRT

OUMERY PARCH

COMBENT APPLICANTON UNBER: US/11/264,309

COMENTISH: HOOM SEQUENCE I: Mismatches S; Indels O; Gaps O; Destrice Similarity So.0*, Preed No. 3.36+02;

MACCHAS G: COMBENTARIVE IS

DD 2 DGDAITHENWURE IS

SEGATCH COMPLETED THE SNVQE IS

SEGATCH COMPLETED THE SNVQE IS

SEGATCH COMPLETED THE SNVQE IS:55:13
```

THIS PAGE BLANK (USPTO)

Tue

```
APPLICANT: CAPPLICANT: I
                                                                                                                                                                                                                            US-09-142-524D-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-467-023-33
0
엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Š
                                                                                                                                                                                                                                                                                                                                                                                                                                         111, Appl
33, Appl
30, Appl
28, Appl
312, Appl
314, Appl
244, App
244, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                        (without alignments)
92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                        Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1
Sequence 1
Sequence 2
Sequence 6
Sequence 1
Sequence 1
Sequence 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                             June 20, 2005, 14:04:11; Search time 16.15 Seconds
                                                                                                                                                                                                                                                                       Issued Patents AA:*
.: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
.: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
.: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
.: /cgn2_6/ptodata/1/iaa/RB_COMB.pep:*
.: /cgn2_6/ptodata/1/iaa/RB_COMB.pep:*
.: /cgn2_6/ptodata/1/iaa/PcTuS_COMB.pep:*
       GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-142-524D-11
US-08-467-023-33
US-09-142-524D-29
US-09-142-524D-29
US-09-142-524D-39
US-09-142-524D-31
US-08-467-023-34
US-09-149-476-714
US-09-177-249-244
US-09-177-249-244
US-09-177-249-244
US-09-177-249-244
US-09-177-249-244
US-09-177-249-244
US-09-177-249-244
US-09-177-249-244
US-09-411-125-525
US-10-115-123-525
US-08-246-521-12
                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           r-US95-09464-12
-09-490-702B-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JS-08-555-568B-12
                                                                                                                                                                    513545 segs, 74649064 residues
                                                                                                                                                                                                                                  Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                            protein - protein search, using sw model
                                                                                                  US-09-202-464-10
102
1 IFSKWLNIKLNMPLYIAGNK 20
                                                                                                                                        BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                             Query
Match Length
              Copyright
                                                                                                                                                                                                        Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Title:
Perfect score:
                                                                                                                                        Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                      Score
                                                                                                                      Sequence:
                                                                                                                                                                    Searched:
                                                                                                                                                                                                                                                                           Database
                                                              Run on:
                                                                                                                                                                                                                                                                                                                                                                                                             Result
No.
```

```
Sequence 11, Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:
APPLICANT: Sone, Tobhio
APPLICANT: Rume, Akinori
APPLICANT: Nama, Akinori
APPLICANT: Nama, Akinori
APPLICANT: Kino, Kohauke
ITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
FILOR APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1999-03-10
FRIOR APPLICATION NUMBER: PCT/JP97/00740
FRIOR APPLICATION NUMBER: PCT/JP97/00740
SOFTWARE PERCENCE: SPO-174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 11
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
12, Appl
12, Appl
11, Appl
11, Appl
11, Appl
11, Appl
11, Appl
11, Appl
131, Appl
131,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 102; DB 4; Length 20; Best Local Similarity 100.0%; Pred. No. 7.8e-11; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: 261
                                                                                                                                             US-08-419-061A-1
US-08-08-647A-1
US-09-00-540-13145
US-09-793-331-11
US-08-549-72-77
US-09-239-0430-2483
US-09-177-249-131
US-08-177-249-131
US-08-564-972-43
                                                                    PCT-US95-08069-12
US-08-454-236-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -08-726-464B-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -09-774-639-234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 33, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      T: Griffeth, Irwin J.;
T: Pollock, Joanne;
T: Pollock, Joanne;
T: Garman, Richard D;
T: Kuo, Mel-Chang;
T: Yeung, Siu-mei H.;
T: Brauer, Andrew;
T: Exley, Mark A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 IFSKNLNIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-11
```

```
Patent No. 6715976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Mume, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: 1998-09-09
PRIOR REFERENCE: SPO-103-10
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 30
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITIE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea,
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR FILING DATE: 1999-03-10
NUMBER OF SEQ ID NOS: 174
                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 59; DB 4; Length 15,
Pred. No. 0.0013;
                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (1). [(15)
, OTHER INFORMATION: Cryjl peptide, Figure 1, Row 14
US-09-142-524D-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; LOCATION: (1). 7(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 16
US-09-142-524D-30
Best Local Similarity 73.3%; Pred. No. 0.00088; Matches 11; Conservative 2; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28, Application US/09142524D
Patent No. 6719976
                                                                                                                                                                                                                                                                                                         Sequence 30, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      57.8%;
                                                                                                                             1 IFSKNLNIKLNMPLY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        :|||| ||:|||| |
1 MNIKLKMPMYIAGYK 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 LNIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 73.3
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                               US-09-142-524D-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-142-524D-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 28
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                             ò
                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 29, Application US/09142524D

Sequence 29, Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:

APPLICANT: Rune, Akinori

APPLICANT: Nama, Akiko

APPLICANT: Nama, Akiko

APPLICANT: Nama, Akiko

APPLICANT: Nama, Akiko

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TURENT APPLICATION NUMBER: US/09/142,524D

CURRENT APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

SEQ ID NO 29

MANDER OF MANDER PATENTION NUMBER: PATENTION NUMBER PATENTION 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 77; DB 3; Length 20;
Pred. No. 1.5e-06;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 4; Length 15;
                                                                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
ODENATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REJEPHONE: (617) 227-7400
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                         ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58.8%; Score 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 IFSKNLNIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       75.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 75.01
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide FRAGMENT TYPE: internal
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
GY: linear
                                                                                                                                                                                    02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-142-524D-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-142-524D-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-467-023-33
                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
```

```
Sequence 34, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PT
ORGANISM: Cryptomeria japonica
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 77.6
Perion 7, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12 MPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 MPMYIAGYK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ψ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Yening, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Dowers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESSEDE: Immurical Approximation Approxima
    38.2%; Score 39; DB 4; Length 15; 80.0%; Pred. No. 3.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln Sť
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0219: 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 39; DB 3
Pred. No. 4.9;
1; Mismatches
                                                                                                1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 31, Application US/09142524D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 32, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: POllock, Joanne;
APPLICANT: Bond, Julian F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (617) 227-7400
TELEPX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     38.2%;
80.0%;
Query Match 38.2
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                       1 IFSKNLNIKL 10
                                                                                                                                                                                                                                  1 IFSKNLNIKL 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11 IFSGNMNIKL 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -09-142-524D-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-467-023-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-467-023-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE:
                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
```

```
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Tumma, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 31
SEQ ID NO 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Exuer, Anderw;
APPLICANT: Brauer, Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37.3%; Score 38; DB 4; Length 15; 77.9%; Pred. No. 5.2; tive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CORPTAING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION 1424
PRIOR APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATPOING PATE: December 6, 1994
ATPOING PATE: REMAILSAG
REGISTRATION NUMBER: 38,872
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 42, Application US/09402401C

Patent No. 6569677

GENERAL INFORMATION:

APPLICANT: TRANSCENE S.A.

TILLE OF INVENTION: Modified adenoviral fiber and target adenoviruses

TILLE OF INVENTION: Modified adenoviral fiber and target adenoviruses

FILE REFERENCE: D16813

CURRENT APPLICATION NUMBER: US/09/402,401C

CURRENT FILING DATE: 1999-10-04

PRIOR PRIOR APPLICATION NUMBER: WO 98 44121

PRIOR FILING DATE: 1998-04-02

NUMBER OF SEQ ID NOS: 46

SOFTWARE: PatentIN Ver. 2.2

SEQ ID NO 42

LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
;
                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 37; DB 4; Length 19;
Pred. No. 10;
3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                          Score 38; DB 3; Length 20;
Pred. No. 7.2;
1; Mismatches 1; Indels
       025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-149-140-114

JOS-09-149-140-114

JEAURAL INFORMATION:
APPLICANT'S Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: PZOO2P1
CURRENT APPLICATION NUMBER: DS/04/149,476

CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1998-03-06
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER APPLICATION NUMBER: 60/040,634
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Ad3 fiber Mastadenovirus
US-09-402-401C-42
REFERENCE/DOCKET NUMBER: 025.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-541
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                               37.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 50.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                       37.3
Best Local Similarity 77.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 KNLNIKLNMPLY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 KNKAVSINVELY 17
                                                                                                                                                                                                                           MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ||:|||| |
2 MPMYIAGYK 10
                                                                                                                                                                                                                                                                                                                                                                                                                           12 MPLYIAGNK 20
                                                                                                                                                                             TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-402-401C-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-149-476-714
                                                                                                                                                                                                                                                                              US-08-467-023-34
                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             В
```

```
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,592
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,581
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/047,598 FILING DATE: 1997-05-23 APPLICATION NUMBER: 60/047,613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/043,314
FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/043,569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/043,315
FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/048,974
                                                            APPLICATION NUMBER: 60/047,615
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/043,674
FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/043,672
                                                                                                                                                                      FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,633
                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/047,583
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/047,500 FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/047,612
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/047,632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/043,580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/043,568
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/043,311
FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/043,669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/043,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/043,313
                                                                                                                                                  APPLICATION NUMBER: 60/047,502
                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 60/047,617
                                                                                                                                                                                                                                                                                                                             60/047,618
                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/047,503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/047,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60/047,492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/047,582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60/047,601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/043,671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/
                                          FILING DATE: 1997-05-23
                                                                                                                                                                                                                     FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                      1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-04-11
FILING DATE: 1997-03-07
                                                                                                                             FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1997-04-1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1997-04-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1997-04-
                                                                                                                                                                                                                                                                                                      FILING DATE: 1997-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EARLIER 1
EARLIER 1
EARLIER 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EARLIER
EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EARLIER
EARLIER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EARLIER
```

```
APPLICATION NUMBER: 60/056, 880
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056, 894
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056, 911
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056, 636
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056, 636
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056, 874
FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,631
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,845
FILING DATE: 1997-08-22
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,892
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/057,761
                                                                                                                FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,630
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,878
FILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,589
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,593
FILING DATE: 1997-05-23
   FILING DATE: 1997-08-22
APPLICATION WUMBER: 60/056,889
LIING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/056,910
FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,590
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,594
                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/056,662
                                                                                                                                                                                                                                                                                                                           PPLICATION NUMBER: 60/056,872 ILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                         ILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TLING DATE: 1997-08-22
PPLICATION NUMBER: 60/056,903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/047,595
FILING DATE: 1997-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/047,599
FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,586
                                                                                                                                                                                                                                                                                                                                                                                    PPLICATION NUMBER: 60/056,882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ILING DATE: 1997-08-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 1997-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ILING DATE: 1997-08-22
EARLIER PEARLIER PEAR
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                 ..
0
                                                                                                                                                                                                                                               34.3%; Score 35; DB 4; Length 13; 60.0%; Pred. No. 14; 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30.4%; Score 31; DB 3; Length 18;
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02
                                                                                                                                                                                             APPLICATION NUMBER: 60/057,669
FILING DATE: 1997-09-05
                                                                                                                                                                                                            APPLICATION NUMBER: 60/049,610
                                                                                                                                                                                                                                                                                                                              Sequence 244, Application US/09177249 Patent No. 6229064
                                                                                                                                                                                                                                               Query Match 34.3
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Arabidopsis sp. US-09-177-249-244
                                                                                                                                                                                                                                                                                      |:|: | |||
1 NVPILILGNK 10
                                                                                                                                                                                                                                                                             11 NMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                              ò
```

```
Query Match
Best Local Similarity 55.6%;
Matches 5; Conservative 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5; Conservative
                                    LENCTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-461-325-525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
CORGANISM: Homo sapiens
US-10-012-542-525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ||:|:|:|
3 IFAKHLSVK 11
                                                                                                                                                                                                                                                                                                                                                                                                                                 3 IFAKHLSVK 11
                                                                                                                                                                                                                                                                                                                                                                   1 IFSKNLNIK 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 IFSKNLNIK 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-012-542-525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-115-123-525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 525
          SEQ ID NO 525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                           ÷
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Observed to the particular of the par
                                           .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 31; DB 4; Length 18;
Pred. No. 1e+02;
                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 525, Application US/09461325A
Batent No. 6475753
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION
TITLE OF INVENTION, 94 Human Secreted Proteins
FILE REFERENCE: POZO291
CURRENT APPLICATION NUMBER: US/09/461,325A
CURRENT FILING DATE: 1999-12-14
EARLIER FILING DATE: 1999-6-15
EARLIER FILING DATE: 1999-6-15
EARLIER FILING DATE: 1998-6-16
EARLIER APPLICATION NUMBER: 60/089,509
EARLIER FILING DATE: 1998-0-16
EARLIER FILING DATE: 1998-0-16
EARLIER FILING DATE: 1998-0-16
EARLIER FILING DATE: 1998-0-16
EARLIER APPLICATION NUMBER: 60/089,510
EARLIER APPLICATION NUMBER: 60/090,112
EARLIER FILING DATE: 1998-0-16
EARLIER FILING DATE: 1998-0-16
EARLIER FILING DATE: 1998-0-16
EARLIER FILING DATE: 1998-0-16
EARLIER FILING DATE: 1998-0-12
   Pred. No. 1e+02;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5; Mismatches
                                                                                                                                                                                                                                                                                                                                                        Sequence 244, Application US/09812283
Patent No. 6828477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30.4%;
35.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Fischer, Robert L.
                                                                                                                 7 NIKLNMPLYIAGNK 20
                                                                                                                                                         |:| ::|:|
1 NLKNHLPIYYLINR 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 NIKLNMPLYIAGNK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:| ::|:|
1 NLKNHLPIYYLINR 14
       Best Local Similarity 35.7
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 35.7
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-812-283-244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-09-461-325-525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                     ઠે
                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      유
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT:

PILE PEPERENCE:

PELGATICANION 194 Human Secreted Proteins

TITLE OF INVENTION: 94 Human Secreted Proteins

TITLE OF INVENTION: 94 Human Secreted Proteins

CURRENT APPLICATION NUMBER: US/10/012,542

CURRENT PILING DATE: EARLIER LABLICATION NUMBER: 09/461,325

PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14

PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

PRIOR PELING DATE: EARLIER FILING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508

PRIOR PELING DATE: EARLIER FILING DATE: 1998-06-16

PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

PRIOR PELING DATE: EARLIER FILING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-06-22

PRIOR SEQ ID NOS: 532

PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22

PRIOR SEQ ID NOS: 532

SOFTWARE: PARENTER FILING DATE: 1998-06-22

NUMBER OF SEQ ID NOS: 532
                                                                                 .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 13;
       Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATE: MINISTRICATE AT 1.

APPLICATE: Ruben et al.

TITLE OF INVENTION: 94 Human Secreted Proteins
FILE REFREENCE: PSO29630APID.

CURRENT APPLICATION NUMBER: US,10/115,123

CURRENT FILING DATE: 2002-04-04

PRIOR FILING DATE: 1999-06-15

PRIOR FILING DATE: 1999-06-15

PRIOR FILING DATE: 1998-06-16

PRIOR FILING DATE: 1998-06-16

PRIOR PELLING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: 60/089,508

PRIOR PILING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: 60/089,508

PRIOR PLING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: 60/089,509
Score 30; DB 4;
Pred. No. 1e+02;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 30; DB 4;
Pred. No. 1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 525, Application US/10012542; Patent No. 6627741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 525, Application US/10115123; Patent No. 6774216; GENERAL INFORMATION:
```

Search completed: June 20, 2005, 14:22:15 Job time : 17.15 secs

}

THIS PAGE BLANK (USPTO)

```
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEO ID NO: 40
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         44, Appl
39, Appl
31, Appl
36, Appl
366, App
45, Appl
41, Appl
248, Appl
248, Appl
248, Appl
248, Appl
248, Appl
113, Appl
113, Appl
113, Appl
113, Appl
114, Appl
115, Appl
117, Appl
117
                                                                                                        June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39,
Sequence 91,
Sequence 366,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 40,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3
Sequence 3
Sequence 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Issued Patents AA:*
(cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-955-138-115
US-09-252-586-27
                                                                                                                                                                                                                                                                                                                                                                          Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                   513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                   protein search, using sw model
                                                                                                                                                                                      US-09-202-464-17
104
1 GVVPVHAQDGDAITWRNVTD 20
                                                                                                                                                                                                                                                                          BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                 seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                            Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Perfect score:
                                                                           OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database :
                                                                                                                                                                                                                                       Sequence:
                                                                                                                  Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Result
```

LENGTH: 20 amino acids TYPE: amino acid

TOPOLOGY: linear MOLECULE TYPE: peptide FRAGMENT TYPE: internal

```
Appl
Appl
Appl
Appli
Sequence 43,
Sequence 48,
Sequence 3, A
Sequence 17,
Sequence 17,
Sequence 17,
                                                                                             Sequence Sequence Sequence
                                                                                                                                      Sequence Sequence
                                                                                                                                                                Sequence
                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ciffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From ITTLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION: DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,025
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
                        US-09-612-402B-3
US-07-781-254A-22
US-08-915-213-17
US-08-915-217-17
US-09-371-710-2
US-09-371-710-2
US-09-648-386-2
US-08-648-386-2
US-08-15-721B-5
US-08-15-721B-5
US-08-15-805A-28
US-08-48-88-386
US-08-48-88-15-805A-28
US-09-433-598-15
US-09-448-818A-15
US-09-448-818A-15
                                                                                                                                                                                                                                                                           ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                           ; Sequence 40, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MA
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Wal
STATE: MA
COUNTRY:
                                                                                                                                                                                                                                                                                                                              US-08-467-023-40
                                                                                                                                                 26.5
26.5
26.5
26
26
26
```

```
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Kazue, Athinori
APPLICANT: Mama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF ILING DATE: 1998-09-09
CURRENT APPLICATION NUMBER: RCI/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                               Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 15;
                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                              Score 54; DB 4; Len
Pred. No. 0.0086;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          : LOCATION: (1). (15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28
US-09-142-524D-42
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 30 US-09-142-524D-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 43; DB 4;
Pred. No. 0.66;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 42, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39, Application US/08467023; Patent No. 6090386; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Pollock, Joanne,
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Yeung, Sil-mei H.;
APPLICANT: Yeung, Sil-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 80.0%;
Matches 8; Conservative
                                                                                            51.9%;
                                                                                                                                                                                                                            6 HAODGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                    1 HPÓDGDÁLTLKTAÍN 15
                                                                                        Query Match
Best Local Similarity 60.0
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GVVPVHAQDG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 GVEPVHPQDG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-142-524D-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-467-023-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-142-524D-44

| Sequence 44, Application US/09142524D |
| Sequence 47, Application: |
| APPLICANT: Sone, Toshio |
| APPLICANT: Nume, Akinoxi |
| APPLICANT: Dainiki, Kazuo |
| APPLICANT: Iwama, Akiko |
| TILLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea |
| TILLE OF INVENTION: Poptide-Based Immunotherapeutic Agent for Treating Allergic Disea |
| TILLE OF INVENTION NUMBER: US/09/142,524D |
| CURRENT FILING DATE: 1998-09-09 |
| PRIOR PELICATION NUMBER: PCT/JP97/00740 |
| SEQ ID NOS: 174 |
| SEQ ID NO 44 |
| LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Mane, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akino
APPLIC
                                                                                                                                .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò.
                                                              70.2%; Score 73; DB 3; Length 20; 65.0%; Pred. No. 6.8e-06; Live 3; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 59.6%; Score 62; DB 4; Length 15; Best Local Similarity 73.3%; Pred. No. 0.00037; Matches 11; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (1)...(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 29
US-09-142-524D-43
                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 43, Application US/09142524D
Patent No. 6719976
                                                                                                                                                                                           1 GVVPVHAQDGDAITMRNVTD 20
                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GVVPVHAQDGDAITM 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GVEPVHPQDGDALTL 15
                                                                                        Best Local Similarity 65.0 Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1). (15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: MISC FEATURE LOCATION: (1)...(15)
                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-524D-43
US-08-467-023-40
                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                      a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
```

```
GENERAL INFORMATION:
APPLICANT: TAMI J. PILOT-MATIAS
APPLICANT: TAMI J. PILOT-MATIAS
APPLICANT: TEORGE J. DAWSON
APPLICANT: GEORGE J. DAWSON
APPLICANT: SURESH M. DESAT
APPLICANT: THOMAS P. LEARY
APPLICANT: THOMAS P. LEARY
APPLICANT: THOMAS P. LEARY
APPLICANT: SHERI L. BUIJK
APPLICANT: SHERI USE
APPLICANT: SHERI USE
APPLICANT: SHERI USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30.8%; Score 32; DB 4; Length 16; 100.0%; Pred. No. 55; 0; Indels cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NDATA:
APPLICATION NUMBER: US/08/469,260A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       D377/AP6D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-488-446-366

Sequence 366, Application US/08488446

Patent No. 6558898

APPLICANT: JOHN N. SIMONS

APPLICANT: TAMI J. PILOT-MATIAS

APPLICANT: GEORGE J. DAWSON

APPLICANT: GEORGE G. SCHLAUDER

APPLICANT: SURESH M. DESAI

APPLICANT: THOMAS P. LEARY

APPLICANT: ANTHONY SCOTT MUERHOFF

APPLICANT: JAMES C. ERKER

APPLICANT: JAMES C. ERKER

APPLICANT: SHERI L. BUIJK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
   Application US/08469260A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: ABBOTT LABORATORIES
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: POREMERSI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEPAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 366:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , MOLECULE TYPE: protein US-08-469-260A-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 VPVHAQ 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4 VPVHAQ 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 91, Application US/09106568E

| Patent No. 6455248
| GENERAL INCORMATION:
| APPLICANT: Bhattacharjee, J.
| APPLICANT: Bhattacharjee, Vasker
| TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
| TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
| TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
| TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
| FILE REFERENCE: 96,247.A
| CURRENT APPLICATION NUMBER: US/09/106,568E
| CURRENT FILING DATE: 1998-06-29
| PRIOR FILING DATE: 1999-05-20
| NUMBER OF SEQ ID NOS: 160
| NUMBER OF SEQ ID NOS: 160
| SOFTWARE: Microsoft Word 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
US-09-106-568E-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   35.6%; Score 37; DB 4; Length 19; 66.7%; Pred. No. 9.4; tive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 3; Length 20,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Indels
                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane B. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-7401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   41.3%; Score 43; DB 3; 80.0%; Pred. No. 0.94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 91
LENGTH: 19
TYBE: PR
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 35.6
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               // MOLECULE TYPE: peptide
// FRACMENT TYPE: internal
US-08-467-023-39
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GVVPVHAQDG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 GVEPVHPQDG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 VPVHAQDGD 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9 VPTHKÓDGE 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
```

셤

ò

ö

Gaps

; 0

US-08-469-260A-366

ઠ 윱

```
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 VPVHAQ 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 VPVHAQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 10
US-08-424-550B-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
ALFLICANT: ISA K. MUSHAHWAR

TITLE OF INVENTION: NON-A, NON-B. NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: RAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSES: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: JOHN N. SIMONS

RAPLICANT: JOHN N. SIMONS

GEORGE J. DAWSON

GEORGE J. DAWSON

GEORGE S. SCHLAUDER

SURESH M. DESAI

THOMAS P. LEARY

ANTHONS C. ERKER

JAMES C. ERKER

SHERI L. BUIJK

ISA K. MUSHAHWAR

TITLE OF INVENTION: NON-E, NON-E, HEPATITIS

REAGENTS AND METHODS FOR THEIR USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4; Length 16; 55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                     SIAIE: 11.

CUNNTRY: USA

ZIP: 6064-3500

COMPUTER READABLE FORM:

MEDIUW TYPE: FIDOPPY disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/488,446

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: US/08/424,550

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: POREMBSKT, PRISCILLA E.

REGISTRATION NUMBER: 33,207

REFERENCE/DOCKET NUMBER: 5527.PC.01

TELECOMMUNICATION INFORMATION:

TELEPAX: 708-937-6365

INFORMATION FOR SEQ ID NO: 366:

SEQUENCE CHARACTERISTICS:

LENGTH: 16 main acids

LENGTH: 16 main acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ABDOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
COUTTY: USA
COUTTY: USA
CIP: 60064-3500
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30.8%; Score 32; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 366, Application US/08467344A
Patent No. 6586568
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
XY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 VPVHAQ 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |||||||
4 VPVHAQ 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
US-08-467-344A-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-488-446-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
```

```
COMPUTER: IND COMPATINE COMPATINE
COMPATINE: IND COMPATINE: IND COMPATINE
COMPATINE: IND COMPATINE: IND COMPATINE
COMPATINE: IND COMPATINE: IND COMPATINE
FILMS DATE PREMENT: Release #1.0, Version #1.25
COMPATINE: CHANGE PREMENT: Release #1.0, Version #1.25
FILMS DATE: CHANGE: O'JOH-1955
FILMS DATE: O'JOH-1955
FILMS
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: Henderson, Robert A.
APPLICANT: Honeill, Patricia D.
IIILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILIG DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
              NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
                                                                                                                                                                            CURENTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIPICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/ART INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,92
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 227-7400
INFORMATION: (617) 227-5941
IITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 30;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-643-597-248
; Sequence 248, Application US/09643597
; Patent No. 6426072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wang, Tongtong
Fan, Ligun
Kalos, Michael D.
Bangur, Chaitanya S.
Hosken, Nancy
Fanger, Gary R.
Li, Samuel X.
Wang, Aijun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 28.8%;
Best Local Similarity 50.0%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (617) 227-5941 INPORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                  COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 DAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 DALTERTATN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 248
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-023-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Powers, Steven P. TITLE OF INVENTION: Allergenic Proteins And Peptides From
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28.8%; Score 30; DB 4; Length 15; 50.0%; Pred. No. 1.1e+02; tive 3; Mismatches 2; Indels
                                                                                                                                                                                                        DB 4; Length 16;
55;
                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 31
US-09-142-524D-45
                                                                                                                                                                                            30.8%; Scc. 100.0%; Pred. No. ...
5527.PC.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 41, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cariffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
Yeung, Siu-mei H.;
Brauer, Andrew;
Exley, Mark A.;
          TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEPAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 366:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Cryptomeria japonica
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                     Query Match 30.8
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5; Conservative
                                                                                                                                 TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-424-550B-366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 DAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ||:|:|
| DALTLRTATN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 5; Conserva
                                                                                                                                                                                                                                                                                                    4 VPVHAQ 9
                                                                                                                                                                                                                                                                                                                                                                             US-09-142-524D-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-41
                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          а
```

2 ETGDPVTLRLLDD 14

```
Search completed: June 20, 2005, 14:22:18
Job time: 17.15 secs
셤
                                                                                                                                                                   .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                   0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 28.8%; Score 30; DB 4; Length 20; Best Local Similarity 38.5%; Pred. No. 1.6e+02; Matches 5; Conservative 4; Mismatches 4; Indels
                                                                         Query Match 28.8%; Score 30; DB 4; Length 20; Best Local Similarity 38.5%; Pred. No. 1.6e+02; Matches 5; Conservative 4; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 28.8%; Score 30; DB 4; Length 20; Best Local Similarity 38.5%; Pred. No. 1.6e+02; Matches 5; Conservative 4; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Wang Tongtong
APPLICANT: Wang Tongtong
APPLICANT: Wang Ligun
APPLICANT: Kalos, Michael D.
APPLICANT: Ralos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
TITLE OF INVENTION: COMPOUNDS: OF LUNG CANCER
FILE REFERRINCE: 210121.45508
CURRENT APPLICATION NUMBER: US/09/542,615A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 350
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 248
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                              RESULT 14

US-09-480-884A-248

US-09-480-684A-248

Sequence 248, Application US/09480884A

Patent No. 6482591

GENERAL INFORMATION:

APPLICANT: Wang, Tongtong

APPLICANT: Falos, Michael D.

APPLICANT: Falos, Michael D.

APPLICANT: Fanger, Gary R.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

TITLE OF INVENTION: CAPPORTION: COMPOUNDS OF LUNG CANCER

FILE REFERENCE: 210121.455C6

CURRENT APPLICATION NUMBER: US/09/480,884A

CURRENT FILING DATE: 2001-08-27

NUMBER OF SEQ ID NOS: 330

SEQ ID NO 248

LENGTH. 20

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 15
8-09-542-615A-248
; Sequence - 489, Application US/09542615A
; Patent No. 6518256
                                                                                                                                                                                                                                                 8 QDGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                            : || :|:| : |
2 ETGDPVTLRLLDD 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8 QDGDAITMRNVTD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           : || :|:| : |
2 ETGDPVTLRLLDD 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
US-09-480-884A-248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Wang, Tor
APPLICANT: Fan, Liq
APPLICANT: Ralos, MI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-542-615A-248
US-09-643-597-248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
```

8 QDGDAITMRNVTD 20 : || : || : |

ò

```
Sequence 45, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 1876, Ap
Sequence 211, App
Sequence 31, Appl
Sequence 32, Appl
Sequence 33, Appl
Sequence 33, Appl
Sequence 30, Appl
Sequence 30, Appl
                                                                                                              June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                  332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-354-240-45
US-10-354-240-46
US-10-354-240-46
US-10-25-567A-1876
US-10-473-127-211
US-10-011-055-32
US-10-010-667A-32
US-10-165-064-33
US-10-408-009-30
                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                          1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                               - protein search, using sw model
                                                                                                                                                                                                                                      1 DAITMRNVTDVWIDHNSLSD 20
                                                                                                                                                                                                                                                                              BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                           US-09-202-464-18
107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44440 44440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                     seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB
Maximum DB
                                                                                                                                                                                                                                         Sequence:
                                                                                                                                                                                                                                                                                                                                          Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database
                                                                                                                  Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12648978811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š.
```

Appl Appl Appl Appl Appl Appl Appl Appl	Allergic Disea
	Treating 0; Gaps
sequence seq	
	; for 15;
	c Agent
15 16 US-10-856-109-30 15 17 US-10-753-195-33 15 17 US-10-752-421-30 14 15 US-10-752-421-30 14 US-10-225-567A-1795 16 10 US-09-995-529-92 18 10 US-09-995-529-92 18 15 US-10-995-529-92 18 15 US-10-995-529-92 18 15 US-10-995-529-92 19 10 US-09-995-529-92 10 US-09-997-797A-116 11 US-10-99-793-424 11 US-10-283-722-440 12 US-10-283-722-440 13 US-10-283-722-440 14 US-10-283-722-405 10 US-09-793-451-405 10 US-09-793-451-405 10 US-09-793-451-405 10 US-09-793-451-405 10 US-09-793-451-405 11 US-10-283-903-405 12 US-10-283-903-405 13 US-10-283-903-405 14 US-10-283-903-405 15 US-10-383-903-405 16 US-10-383-240-44 17 US-10-384-198	ALIGNMENTS 240 1 Immunotherapeutic 3/354,240 37/00740 142,524 2, Figure 1, Row 31 core 62; DB 14; Le red. No. 0.0072; Mismatches 2;
33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	RESULT 1 US-10-354-240-45 Sequence 45, Application US/10354: Sequence 45, Application US/10354: Publication No. US20030185847A1 GENERAL INPORMATION: APPLICANT: Kume, Akinori APPLICANT: Lame, Akinori APPLICANT: Kino, Kohauke TITLE OF INVENTION: Peptide-Baser TITLE OF INVENTION: Peptide-Baser TITLE REFERENCE: SPO-1031 CURRENT APPLICATION NUMBER: US/11 CURRENT PILING DATE: 1999-09-09 PRIOR FILING DATE: 1999-09-09 NUMBER OF SEQ ID NOS: 174 SOFTWARE: PATENTIN UNBER: US 09/: PRIOR FILING DATE: 1999-09-09 NUMBER OF SEQ ID NOS: 174 SOFTWARE: PATENTIN UNBER: US 09/: TYPE: PRT CRANICM: CXYPTOME 130900000000000000000000000000000000000
11111111110000000000000000000000000000	RESULT 1 US-10-354-240- Sequence 45, Publication GENERAL INPO APPLICANT: APPL

```
Sequence 1876, Application US/10225567A

Sequence 1876, Application US/10225567A

Publication No. US20030113798A1

GENERAL INFORMATION:

APPLICANT: LifeSpan Biosciences

APPLICANT: Brown, Joseph P.

APPLICANT: Brown, ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

TITLE REFERENCE: 1920-4-4

CURRENT APPLICATION NUMBER: US/10/225,567A

CURRENT FILING DATE: 2001-12-19

PRIOR FILING DATE: 2000-12-19

NUMBER OF SEQ ID NOS: 2292

SOFTWARE: PRECENTIN Version 3.1
                                                                  ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                  ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 40; DB 14; Length 16;
Pred. No. 22;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            34.6%; Score 37; DB 16; Length 13;
                    DB 14; Length 15;
                                                                  1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
TITLE OF INVENTION: TRANSLATIONAL PROFILING
FILE REFERENCE: 08191-026001
CURRENT PEDLICATION NUMBER: US/10/473,127
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 60/292,495
PRIOR APPLICATION NUMBER: 60/292,544
PRIOR APPLICATION NUMBER: 60/292,544
PRIOR FILING DATE: 2001-05-21
PRIOR PRILING DATE: 2001-05-21
PRIOR FILING DATE: 2001-05-01
PRIOR FILING DATE: 2001-05-01
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-01-01
PRIOR FILING DATE: 2001-12-04
PRIOR FILING DATE: 2002-02-07
                    Score 47; DB 1
Pred. No. 1.6;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-473-127-211

; Sequence 211, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              37.4%;
54.5%;
                    43.9%;
                 Query Match
Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 37.4
Best Local Similarity 54.5
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 TMRNVTDVWID 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 TIENATĎIWQD 12
                                                                                                                                              : | | | | | | :
1 IWIDHNSFSN 10
                                                                                                                     11 VWIDHNSLSD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
CRGANISM: Homo sapiens
US-10-225-567A-1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-473-127-211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 1876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                     ò
                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 47. Application US/10354240

| Sequence 47. Application US/10354240
| Publication No. US20030185847A1
| GENERAL INFORMATION:
| APPLICANT: Sone, Toshio
| APPLICANT: Kune, Akinori
| APPLICANT: Kune, Akinori
| APPLICANT: Kine, Kohsuke
| APPLICANT: Kine, Kohsuke
| APPLICANT: Kine, Kohsuke
| APPLICANT: Nama, Akiko
| APPLICANT: Nama, Akiko
| APPLICANT: Nama, Akiko
| APPLICANT: Nama, Akiko
| APPLICANT: Nones: SPO-103D1
| CURRENT FILING DATE: 2003-01-29
| PRIOR PILING DATE: 1991-03-10
| PRIOR APPLICATION NUMBER: US 09/142,524
| PRIOR PILING DATE: 1998-09-09
| WUMBER OF SEQ ID NOS: 174
| SOFTWARE: PatentIn version 3.1
| SEQ ID NO 47
| LENGTH: 15
                                                                                                                                                                                                                                  APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Name, Akinori
APPLICANT: Name, Akinori
APPLICANT: Name, Akino
APPLICANT: Isama, Akino
APPLICANT: Isama, Akino
APPLICANT: Wino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
FRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1998-09-09
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFWARE: Patentin version 3.1
SEQ ID NO 46
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               54.2%; Score 58; DB 14; Length 15; 60.0%; Pred. No. 0.031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: MISC_FEATURE
CCATTON: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 32
05-10-354-260-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (1). [(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Mismatches
                                                                                                                                                                     Sequence 46, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 RNVTDVWIDHNSLSD 20
1 DAITMRNVTDVWIDH 15
                            1 DALTLRTAINIWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 60.0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC FEATURE
                                                                                                                                         US-10-354-240-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-354-240-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           임
  ò
```

용 ð

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GENERAL INFORMATION:
| APPLICANT: Huber, Rene S.
| APPLICANT: Huber, Rene S.
| APPLICANT: Huber, Rahan
| APPLICANT: Leong, Kahan
| APPLICANT: Saffran, Douglas C.
| APPLICANT: Saffran, Douglas C.
| APPLICANT: Mitchell, Steve Chappell
| TITLE OF INVENTION: ANTIBODIES IMMUNOSPECIFIC FOR STEAPI (AS AMENDED)
| TITLE OF INVENTION: ANTIBOLISS IMMUNOSPECIFIC FOR STEAPI (AS AMENDED)
| CURRENT FILING DATE: 1090-12-06
| CURRENT FILING DATE: 1099-06-01
| PRIOR FILING DATE: 1999-06-01
| PRIOR PILING DATE: 1998-06-01
| PRIOR PILING DATE: 1998-06-01
| PRIOR FILING DATE: 1998-06-30
| NUMBER OF SEQ ID NOS: 32
| SEQ ID NOS: 32
| LENGTH: 15
                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Leong, Kahan
APPLICANT: Leong, Kahan
APPLICANT: Leong, Kahan
APPLICANT: Saffran, Arthur B.
APPLICANT: Saffran, Douglas C.
APPLICANT: Mitchell, Steve Chappell
TITE OF INVENTION: BYPRESSED IN HUMAN CANCERS AND USES THEREOF
TITE OF INVENTION: BYPRESSED IN HUMAN CANCERS AND USES THEREOF
FILE REFERENCE: 511582001601
CURRENT APPLICATION NUMBER: US/10/010,667A
CURRENT APPLICATION NUMBER: 09/323,873
PRIOR FILING DATE: 1999-06-01
PRIOR PLLING DATE: 1999-06-01
PRIOR FILING DATE: 1999-06-01
PRIOR FILING DATE: 1999-06-01
PRIOR FILING DATE: 1999-06-01
PRIOR FILING DATE: 1999-06-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                                   ö
   ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.1; OTHER INFORMATION: EST_HUMAN HIT: A1719171.1, EVALUE 4.00e-04 US-09-864-761-41072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 35; DB 14; Length 15; Pred. No. 1.3e+02; 2; Mismatches 3; Indels
                                                                                                                                    Length 19;
                                                                                                                                 33.6%; Score 36; DB 9; Length 19;
50.0%; Pred. No. 1.1e+02;
tive 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 32, Application US/10010667A Publication No. US20030055217A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 32, Application US/10011095
Publication No. US20030045682A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           32.7%;
                                                                                                                             Query Match
Best Local Similarity 50.0
Matches 6; Conservative
                                                                                                                                                                                                                                                           2 AITMRNVTDVWI 13
                                                                                                                                                                                                                                                                                                      S SLIMRIQIKLWI 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :| | ||:|
6 QNKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Afar, Daniel APPLICANT: Hubert, Ren
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JS-10-010-667A-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-011-095-32
                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                   Sequence 41072, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
                                       ô
                                       Gaps
                                       ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: MAP TO ALL121585.13
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.8
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.5
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.5
                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 41072
LENGTH: 19
60.0%; Pred. No. 52;
ive 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TILLE OF INTERILOR DATE SAFRESSION ANALYSI
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-06-36
PRIOR PELING DATE: 2000-10-04
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                    |::|||:|
1 VFLDHNALPD 10
                                                                                            11 UWIDHNSLSD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                            US-09-864-761-41072
```

Gaps

ö

ઠે

```
US-10-857-785-30
; Sequence 30, Application US/10857785
; Publication No. US20040219162A1
; GERERAL INFORMATION:
; APPLICANT: Daniel E. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Arbur B. Raifran
; APPLICANT: Arbur B. Raifran
; APPLICANT: Stephen C. Mitchal
; APPLICANT: Stephen C. Mitchal
; TITLE OF INVENTION: EXPRESSED IN HUMAN CANCERS AND USES THEREOF
; FILE REFREENCES: 511582001607
; TITLE OF INVENTION: EXPRESSED IN HUMAN CANCERS AND USES THEREOF
; FILE REFREENCES: 511582001607
; CURRENT APPLICATION NUMBER: US 99/455,486
; PRIOR APPLICATION NUMBER: US 09/4323,873
; PRIOR FILING DATE: 1999-06-01
; PRIOR FILING DATE: 1999-06-01
; PRIOR PRILING DATE: 1998-06-01
; PRIOR PILING DATE: 1998-06-01
; PRIOR FILING DATE: 1998-06-01
; RIOR APPLICATION NUMBER: US 60/097,520
; NUMBER OF SEQ ID NOS: 47
; SOOTHWARE: FASTESEQ FOR WINDOWS VERSION 4.0
APPLICANT: Stephen C. Mitchell
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
TITLE OF INVENTION: EXPRESSED IN HUMAN CANCERS AND USES THEREOF
FILE REFERENCE: 511582016.03
CURRENT APPLICATION NUMBER: US/10/408,009
CURRENT FILING DATE: 2003-04-04
PRIOR APPLICATION NUMBER: 09/455,486
PRIOR APPLICATION NUMBER: 09/323,873
PRIOR APPLICATION NUMBER: 09/323,873
PRIOR FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 36
NUMBER OF SEQ ID NOS: 36
SEQ ID NOS: 36
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      32.7%; Score 35; DB 16; Length 15; 50.0%; Pred. No. 1.3e+02; tive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
32.7%; Score 35; DB 15; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-856-109-30; Application US/10856109; Sequence 30, Application US/10851109; Publication No. US20040219591A1; GENERAL INFORWATION: APPLICANT: Daniel E. Afar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ONKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 QNKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-009-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-857-785-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 33, Application US/10165044

Publication No. US20030149531A1

GENERAL INFORMATION:
APPLICANT: Rene S. Hubert
APPLICANT: Rene S. Hubert
APPLICANT: Barthur B. Raitano
APPLICANT: Barthur Chappell Mitchell
APPLICANT: Barthur Movel SERPENTINE TRANSMEMBRANE ANTIGENS
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE
TITLE OF INVENTION: EXPRESSED IN HUMAN CANCERS AND USES THEREOF
FILE REFERENCE: 51158-20016.02
CURRENT APPLICATION NUMBER: US 60/091,183
FRIOR FILING DATE: 1998-06-01
FRIOR APPLICATION NUMBER: US 60/091,183
FRIOR FILING DATE: 1999-06-01
FRIOR PELING DATE: 1999-06-01
FRIOR PELING DATE: 1999-06-01
FRIOR FILING DATE: 1999-06-01
FRIOR PELING DATE: 1999-06-01
FRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 35; DB 14; Length 15;
Pred. No. 1.3e+02;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                   Score 35; DB 14; Length 15;
Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                  3; Indels
                                                                                                                                                                                                                                                                                                                                        2; Mismatches
             NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 32
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-408-009-30
Sequence 30, Application US/10408009
Publication No. US20040072196A1
GENERAL INFORMATION:
APPLICANT: Daniel E. Afar
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas C. Saffran
                                                                                                                                                                                                                                                                   32.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               32.7%;
Similarity 50.0%;
5; Conservative
                                                                                                                                                                                                                                                                   Query Match 32.7
Best Local Similarity 50.0
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : | | | |: |
6 ONKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                            : | | | |: |
6 QNKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                        6 RNVTDVWIDH 15
                                                                                                                                           ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-010-667A-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -10-165-044-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-165-044-33
```

ö

Gaps

; 0

Matches

g

```
32.7%;
50.0%;
                                                           Query Match 32.7%;
Best Local Similarity 50.0%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 32.7
Best Local Similarity 50.0
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                               6 QNKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 ONKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-752-421-30
                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-73-195-135

Sequence 33, Application US/10753195

Publication No. US20050004349A1

GENERAL INFORMATION:
APPLICANT: AACHUE B. Raitano
APPLICANT: Rene S. Hubert
APPLICANT: Rene S. Hubert
APPLICANT: Steven Chappell Mitchell
APPLICANT: Steven Chappell Mitchell
APPLICANT: Aya Jakobovits
ITILE OF INVENTION: EXFERSED IN HUMAN CANCERS AND USES THEREOF
ITILE DE INVENTION: EXFERSED IN HUMAN CANCERS AND USES THEREOF
ITILE OF INVENTION: EXPERSED IN HUMAN CANCERS AND USES THEREOF
FILE REPERBAUE: 2158-2016.02

CURRENT APPLICATION NUMBER: US/10/753,195

CURRENT PLING DATE: 2002-06-06

PRIOR APPLICATION NUMBER: US 60/087,520

PRIOR APPLICATION NUMBER: US 60/087,520

PRIOR PLING DATE: 1999-06-01

PRIOR FILING DATE: 1999-06-01

PRIOR PLING DATE: 1999-06-01
APPLICANT: Rene S. Hubert
APPLICANT: Arthur B. Raitano
APPLICANT: Arthur B. Raitano
APPLICANT: Stephen C. Mitchell
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
TITLE OF INVENTION: WERESED IN HUMAN CANCERS AND USES THEREOF
FILE REFERENCE: 511582001606
CURRENT APPLICATION NUMBER: US 10/455,486
PRIOR FILING DATE: 2004-05-28
PRIOR APPLICATION NUMBER: US 09/455,486
PRIOR PILING DATE: 1999-12-06
PRIOR PILING DATE: 1999-06-01
PRIOR PLING DATE: 1999-06-01
PRIOR PILING DATE: 1998-06-01
PRIOR PILING DATE: 1998-06-01
PRIOR PLING DATE: 1998-06-01
SPRIOR FILING DATE: 1998-06-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32.7%; Score 35; DB 16; Length 15; 50.0%; Pred. No. 1.3e+02; ive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 QNKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) ORGANISM: Homo sapiens
US-10-856-109-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-753-195-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
```

```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 15
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-750-262-32
Query Match
Best Local Similarity 50.0%; Pred. No. 1.38+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
Qy 6 RNYTDVWIDH 15
; | | | | | | | |
Db 6 QNKEDAWIEH 15
Search completed: June 20, 2005, 15:55:14
JOb time: 54.45 secs
```

us-09-202-464-18.rai

```
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
Sequence 41, Appl Sequence 45, Appl Sequence 203, Appl Sequence 212, Appl Sequence 212, Appl Sequence 212, Appl Sequence 32, Appl Sequence 34, Appl Sequence 47, Appl Sequence 5, Appl Sequence 22, Appl
                                                                             June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence Sequence Sequence 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                             1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
        GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-5240-45
US-09-142-5240-45
US-08-467-023-210
US-08-467-023-210
US-08-467-023-211
US-08-467-023-211
US-08-467-023-211
US-08-467-023-211
US-08-467-023-211
US-08-142-5240-47
US-08-142-5240-47
US-08-142-5240-47
US-08-142-5240-49
US-08-48-198
PCT-US94-05684-5
US-08-462-436-22
US-08-462-436-22
US-08-462-735-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-066-330-1
US-08-209-525-29
US-08-466-033-85
US-08-466-033-89
                                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                               513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                        - protein search, using sw model
                                                                                                                                                   1 DAITMRNVTDVWIDHNSLSD 20
                                                                                                                                                                           BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                      Issued Patents AA:*
                                                                                                                              US-09-202-464-18
107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
Match Length
                    Copyright
                                                                                                                                                                                                                                                                Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Title:
Perfect score:
                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OM protein
                                                                                                                                                      Sequence:
                                                                                                                                                                                                                 Searched:
                                                                                                                                                                                                                                                                                                                                                      Database
                                                                               Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Result
No.
```

```
28 29 27.1 20 2 US-08-444-733-85 Sequence 85, Appl 29 27.1 20 2 US-08-444-134-89 Sequence 85, Appl 29 27.1 20 2 US-08-445-910-89 Sequence 87, Appl 29 27.1 20 2 US-08-455-910-89 Sequence 87, Appl 29 27.1 20 2 US-08-455-910-89 Sequence 87, Appl 29 28 26.2 10 4 US-08-131-319-2 Sequence 98, Appl 29 28 26.2 10 4 US-08-131-319-2 Sequence 98, Appl 29 28 26.2 10 4 US-08-131-319-2 Sequence 98, Appl 29 28 26.2 10 4 US-08-131-319-2 Sequence 98, Appl 29 28 26.2 10 4 US-08-131-319-2 Sequence 14, Appl 20 US-08-457-20 Sequence 98, Appl 20 US-08-457-20 Sequence 99, Appl 20 US-08-457-20 Sequence 98, Appl 20 US-08-457-20 Sequence 99, Appl 20 US-08-457-
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ô
                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                           .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .,
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 203, Application US/08467023
; Sequence 203, Application US/08467023
; Patent No. 6030386
; GENERAL INFORMATION:
    APPLICANT: Griffeth, Irwin J.;
    APPLICANT: Bond, Julian F.;
    APPLICANT: Bond, Julian F.;
    APPLICANT: Graman, Richard D.;
    APPLICANT: Wou, Mei-Chang;
    APPLICANT: Exley, Mark A.;
    APPLICANT: Exley, Mark A.;
    APPLICANT: Aley, Mark A.;
    APPLICANT: Aley, Mark A.;
    APPLICANT: Aley, Mark A.;
    APPLICANT: Bowers, Steven P.
    TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
    NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 58; DB 3; Length 20;
Pred. No. 0.011;
3; Mismatches 3; Indels
                                                                                             Length 15;
                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 0215 USD COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURSENT ADPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: Date 6, 1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REFERENCE/BOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ImmuLogic Pharmaceutical Corporation,
                                                                       DB 4; Leus.
. 0.0075;
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 32
US-09-142-524D-46
                                                                                             Score 58;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                54.2%;
                                                                                          54.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | |::|||||| |:
RTATNIWIDHNSFSN 16
                                                                                                                                                                                                                        6 RNVTDVWIDHNSLSD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 RNVTDVWIDHNSLSD 20
                                                                                                                                                                                                                                                                                  1 RTATNIWIDHNSFSN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (617) 227-740
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : 610 Lincoln St
Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9, Conservative
                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 9, Conserv
                                                                                          Query Match
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-467-023-203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                                                                                                                                                                                           ઠ
                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Mame, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akino
APPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Sone, Tobhio
APPLICANT: Sone, Tobhio
APPLICANT: Sone, Tobhio
APPLICANT: Mama, Akinori
APPLICANT: Iwana, Akiko
APPLICANT: 1990-103
CURRENT FILING DATE: 1997-00-09
PRIOR FILING DATE: 1997-03-D
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 46
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                 ö
                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 57.9%; Score 62; DB 4; Length 15; Best Local Similarity 60.0%; Pred. No. 0.0018; Matches 9; Conservative 4; Mismatches 2; Indels
                                                          72.0%; Score 77; DB 3; Length 20; 60.0%; Pred. No. 1.1e-05;
                                                                                                                              3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
COCATION: (1)..(15)
CHER INFORMATION: Cryjl peptide, Figure 1, Row 31
US-09-142-524D-45
                                                                                                                          5, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 46, Application US/09142524D Patent No. 6719976
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 45, Application US/09142524D
Patent No. 6719976
                                                                                                                                                                                        1 DAITMRNVTDVWIDHNSLSD 20
                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 DAITMRNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ||:|:| |::||||
1 DALTLRTATNIWIDH 15
                                                                                          Best Local Similarity 60.0
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1). (15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-142-524D-46
                                                                                                                                                                                                                                                                                                                                                                          US-09-142-524D-45
   US-08-467-023-41
                                                             Query Match
                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                           ठ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Garman, Richard D,
APPLICANT: Kuo, Mei-Chang,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Allergenic Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 53; DB 3; Length 16;
Pred. No. 0.049;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:

MEDIUM TYPE: Flopy disk

MEDIUM TYPE: Flopy disk

COMPUTER: BM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023

FILING DATE: June 6, 1995

CLASSIPICATION NUMBER: 08/350,225

FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Jane E. Remillard

REGISTRATION NUMBER: 38,872

REGISTRATION NUMBER: 327-7400

TELECOWMUNICATION INFORMATION:

TELEPHONE: (617) 227-7401

TELEPHONE: (617) 227-7401

TELEPHONE: CHARACTERISTICS:

LENGTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 211, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    49.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 66.7
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | |::||||||
RTATNIWIDHNS 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 RNVTDVWIDHNS 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                       MA
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                       APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Kuo, Mai-Chang,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENITON: Allergenic Proteins And Peptides From TITLE OF INVENITOS: 261
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 55; DB 3; Length 18; Pred. No. 0.028;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                        ImmuLogic Pharmaceutical Corporation, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEFOME: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 210:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
RICH APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 6
US-08-467-023-212
Sequence 212, Application US/08467023
Sequence 212, Application US/08467023
REAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Rollock, John F.;
APPLICANT: Rollock, John F.;
APPLICANT: Rollock, John Britch Brauer, Applicant;
APPLICANT: Yeung, Siu-med H.;
APPLICANT: Yeung, Siu-med H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                             Sequence 210, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
Yeung, Siu-mei H.;
Brauer, Andrew;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 RNVTDVWIDHNSLSD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 RTATNIWIDHNSDED 18
                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: ImmuLogic Pl
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 9; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-467-023-210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
```

셤 ò

ö

Gaps

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                   APPLICANT: Pollock, Joanne;
APPLICANT: Pollock, Joanne;
APPLICANT: Pollock, Joanne;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Brauer, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 47; DB 3; Length 20; Pred. No. 0.56; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY. USA
ZIP: 02154
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: 08/350,225
FILING APPLICATION NUMBER: 08/350,225
FILING APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGERT INFORMATION:
NAME: ATO P DOM: 11244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-323-873A-32
; Sequence 32, Application US/09323873A
; Patent No. 6329503
; GENERAL INFORMATION:
; APPLICANT: Daniel E. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Kahan Leong
; APPLICANT: Archur B. Raiteno
; APPLICANT: Steve Chappell Mitchell
                                                                                                                    Sequence 42, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025
TELECOMMUNICATION:
TELEPHONE: (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   43.9%;
70.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (617) 227-5941 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11 VWIDHNSLSD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Wal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                     US-08-467-023-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-467-023-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Buma, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Work Special Section S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 53; DB 3; Length 18;
Pred. No. 0.057;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               43.9%; Score 47; DB 4; Length 15; 70.0%; Pred. No. 0.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                     COMPUTER REALIZE FOLKING
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECOMMUNI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: MISC_FEATURE

LOCATION: (1)...(15)

COTHER INFORMATION: Cryjl peptide, Figure 1, Row 33

US-09-142-524D-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 47, Application US/09142524D Patent No. 6719976 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Cryptomería japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 66.7%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | |::||||||
4 RTATNIWIDHNS 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 RNVTDVWIDHNS 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-211
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :|||||| |:
1 IWIDHNSFSN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 VWIDHNSLSD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -09-142-524D-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 47
LENGTH: 15
```

à g ઠે

```
RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 77, Application US/08981122B
Batent No. 612739
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Hatanaka, Yoshihiro
APPLICANT: Aritomi, Masaharu
TITLE OF INVENTION: Peptide for binding thereto a low density lipoprotein
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/08/981,122B
CURRENT FILING DATE: 1997-12-18
PRIOR FILING DATE: 1995-06-21
                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; TITLE OF INVENTION: EXPRESSED IN HUMAN CANCERS AND USES THEREOF
; FILE REFERENCE: 129.16USU2
; CURRENT APPLICATION NUMBER: US/09/323,873A
; CURRENT FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: 60/091,183
; PRIOR APPLICATION NUMBER: 60/091,183
; PRIOR PILING DATE: 1999-06-30
; NUMBER OF SEQ. ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 32
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Daniel E. Afar
APPLICANT: Rene S. Hubert
APPLICANT: Paniel B. Raitano
APPLICANT: Arthur B. Raitano
APPLICANT: Stephen C. Mitchell
APPLICANT: Stephen C. Mitchell
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
TITLE OF INVENTION: EXPRESSED IN HUMAN CANCERS AND USES THEREOF
TITLE OF INVENTION: BY PARIED IN 1999-12-06
CURRENT FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 34
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 30
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               32.7%; Score 35; DB 4; Length 15; 50.0%; Pred. No. 31; tive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                        DB 3; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                   32.7%; Score 35; DB
50.0%; Pred. No. 31;
iive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30, Application US/09455486 Patent No. 6833438
                                                                                                                                                                                                                                                                                                                                                                                   Query Match 32.7
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : | | ||:|
6 QNKEDAWIEH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 RNVTDVWIDH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  QNKEDAWIEH 15
                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CRGANISM: Homo sapiens US-09-455-486-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                          US-09-323-873A-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 11
US-09-455-486-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-981-122-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
```

```
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: SP0-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 44
                                                                                                                                                                                                    FEATURE:
OTHER INFORMATION: Sequence of a peptide synthesized in Comparative Example 2 from
                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                Patent No. 6127339
OTHER INFORMATION: L-form F-moc amino acida by solid phase method using OTHER INFORMATION: multipeptide synthesizing system (RaMPS)
US-08-981-122-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                              .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Rosenberg, Steven
APPLICANT: Boyle, Michael
APPLICANT: Boyle, Michael
APPLICANT: Goodson, Robert
TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
TITLE OF INVENTION: Activity
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 15;
                                                                                                                                                                                                                                                                                                                                                                        Query Match 31.8%; Score 34; DB 3; Length 5; Best Local Similarity 80.0%; Pred. No. 4.1e+05; Matches 4; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 30; DB 4;
Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3; Mismatches
PRIOR APPLICATION NUMBER: PCT/JP96/01734
PRIOR FILING DATE: 1996-06-21
NUMBER OF SEQ ID NOS: 90
SCOTWARR: Patentin Ver. 2.0
SEQ ID NO 77
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 44, Application US/09142524D Patent No. 6719976
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/08370567
Patent No. 5656726
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 28.0
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 DAITMRNVID 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ||:|:|
6 DALTLRTATN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12 WIDHN 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 WVDHN 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-142-524D-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-524D-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-370-567-5
```

```
: 17 amino acids amino acid
                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                            10 DVWIDHNSLS 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 DLWMRHYPLS 13
                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                          US-08-438-759-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, Application US/08418759
| Patent No. 5679782
| Patent No. 5679782
| GENERAL INFORMATION:
| APPLICANT: Rosenberg, Steven
| APPLICANT: Rosenberg, Steven
| APPLICANT: Goodson, Robert
| TILLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
| TILLE OF INVENTION: Activity
| NUMBER OF ENQUENCES: 37
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: Chiron Corporation
| STREET: A560 Horton Street
| CITY: Emeryville
| STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28.0%; Score 30; DB 1; Length 17; 50.0%; Pred. No. 2.2e+02; tive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/438,759
                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/370,567
                                                                                                                                                                                                                                                       FILING DATE:
CLASSIFICATION NUMBER: US/US/3/0,300
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/061,514
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.
REGISTRATION NUMBER: 0341.001
TELEPHONE: 510-661-2706
TELEPHONE: 510-665-3542
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION: 536
RIGAR APPLICATION DATA:
APPLICATION NUMBER: US/08/370,567
FILING DATE:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 28.0
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10 DVWIDHNSLS 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:|: | ||
4 DLWMRHYPLS 13
                                                                                                   94608
                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: CA
                                                                               COUNTRY:
ZIP: 946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-370-567-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-438-759-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

```
# FPLICATION NUMBER: US/08/061,514
| FILING DATE:
| ATTORNEY AGENT INFORMATION:
| NAME: Green, Grant D. |
| REGISTRATION NUMBER: 31,259 |
| REFERENCE/DOCKET NUMBER: 0941.001 |
| TELECOMMUNICATION INFORMATION: |
| TELEPHONE: 510-601-2706 |
| TELEPAX: 510-655-3542 |
| INFORMATION FOR SEQ ID NO: 5: |
| ELNGTH: 17 amino acids |
| TYPE: amino acids |
| TY
```

```
Sequence 52, Appl
Sequence 51, Appl
Sequence 53, Appl
Sequence 24, Appl
Sequence 24, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 1, Appl
Sequence 1259, Ap
                                                                                                                            June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/PUTNEW PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/US06_DUBCOMB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/US00_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
20: /cgn2_6/ptodata/2/pubpaa/US11B_W_PUB.pep:*
21: /cgn2_6/ptodata/2/pubpaa/US11B_W_PUB.pep:*
22: /cgn2_6/ptodata/2/pubpaa/US11B_W_PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-354-240-52
US-10-354-240-53
US-10-354-240-53
US-10-055-530-24
US-009-791-524-2
US-10-821-554-17
US-10-349-543-4
US-10-10-7-532-1259
US-10-107-532-1259
                                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                  1714042 seqs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                    protein search, using sw model
                                                                                                                                                                                                                                                                 1 ASTGVTISNNHFFNHHKVML 20
                                                                                                                                                                                                                                                                                                                                     Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                              US-09-202-464-21
108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        seq length: 0 seq length: 20
                                                                                                                                                                                                                                                                                                                BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
Match
                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                          Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB
Maximum DB
                                                                                    OM protein
                                                                                                                                                                                                                                                                      Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database
                                                                                                                                Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Š.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Result
```

```
USE LOTARY TAULOS.

Sequence 52, Application US/10354240

Sequence 52, Application US/10354240

Fublication No. US20030185847A1

Sebricant Information

APPLICANT: Sone, Tobhio

APPLICANT: Nume, Akinori

APPLICANT: Iwama, Akinori

APPLICANT: Iwama, Akino

CURRENT FILING DATE: 1991031

CURRENT PTLING DATE: 2003-01-29

PRIOR APPLICATION NUMBER: US/10/354,240

CURRENT PTLING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

CREATH: 15

CR
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6009, Ap Sequence 6012, Ap Sequence 6012, Ap Sequence 6113, Ap Sequence 6113, Ap Sequence 729, App Sequence 116, App Sequence 1181, Ap Sequence 2074, App Sequence 5319, App Sequence 5116, App Sequence 116, App Sequence 210, App Sequence 
                                                                                                                                                                                                                                                                                                                                                                                                   5949,
6008,
6009,
6032,
6069,
                                                                                                                                                                                                                                                                                                    5294,
                                                                                                                                                                                                                                                                                                                                  5490,
                                        Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                   Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence Seq
| US-10-107-532-2854 |
| US-10-107-532-2854 |
| US-10-107-532-2644 |
| US-10-107-532-2613 |
| US-10-107-532-3613 |
| US-10-107-532-3613 |
| US-10-107-532-3614 |
| US-10-107-532-5294 |
| US-10-107-532-5949 |
| US-10-107-532-5949 |
| US-10-107-532-5949 |
| US-10-107-532-6009 |
| US-10-107-532-6009 |
| US-10-107-532-6009 |
| US-10-107-532-6009 |
| US-10-107-532-6013 |
| US-10-107-532-6014 |
| US-10-107-532-6018 |
| US-10-107-532-6114 |
| US-10-107-532-6113 |
| US-10-107-532-6114 |
| US-10-107-532-6114 |
| US-10-107-532-6118 |
| US-10-107-532-339 |
| US-10-107-532-5401 |
| US-10-107-532-613 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
```

Gaps

ö

Query Match 68.5%; Score 74; DB 14; Length 15; Best Local Similarity 93.3%; Pred. No. 0.00014; Matches 14; Conservative 0; Mismatches 1; Indels

NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
LOCATION: CANATION: Cryjl peptide, Figure 1, Row 38
US-10-354-240-52

FEATURE:

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WESULOS-530-24

Sequence 24, Application US/10005530

Sequence 24, Application US/10005530

Publication No. US20030026795A1

GENERAL INFORMATION:

APPLICANT: Isaac, Barbara G.

APPLICANT: Romano, Charles P.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROLLING INSECTS

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROLLING INSECTS

TITLE OF INVENTION: METHODS AND COMPOSITION FOR CONTROLLING INSECTS

CURRENT APPLICATION NUMBER: US/10/005,530

CURRENT FILING DATE: 1998-04-21

PRIOR FILING DATE: 1998-04-21

PRIOR FILING DATE: 1997-04-21

NUMBER OF SEQ ID NOS: 58

SOFTWARE: PARCHILIN VERSION 3.1

SEQ ID NO 24

LENGTH: 20

LENGTH: 20

LENGTH: 20

LENGTH: 20

LENGTH: 20

LENGTH: 20

LENGTH: 20
                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .;
0
                                                                                  ö
                  48.1%; Score 52; DB 14; Length 15; 100.0%; Pred. No. 0.34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 14; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 36
US-10-354-240-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 45; DB 1
Pred. No. 4;
1; Mismatches
                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                     Query Match
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 ASTGVTISNN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 SSTGVTISNN 15
                                                                                                                                                                               2 FFNHHKVML 10
                                                                                                                                             12 FFNHHKVML
                                                                                                                                             ò
                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 53, Application US/10354240

| Sequence 53, Application US/10354240
| Publication No. US20030185847A1
| Publication No. US20030185847A1
| Publication No. US20030185847A1
| APPLICANT: Sone, Toshio
| APPLICANT: Kume, Akino
| APPLICANT: Iwama, Akiko
| PRICA ENFERMENTON NUMBER: US/10/354,240
| PRIOR PILING DATE: 1997-03-10
| PRIOR FILING DATE: 1998-09-09
| NUMBER OF SEQ ID NOS: 174
| SOFTWARE: Patentin version 3.1
| LENGTH: 15
                                                                                                                                                                                  Sequence 51, Application US/10354240

Sequence 51, Application US/20030188847A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Name, Akinori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      63.0%; Score 68; DB 14; Length 15;
86.7%; Pred. No. 0.0011;
tive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (1). [(15); OTHER INFORMATION: Cryjl peptide, Figure 1, Row 39 US-10-354-240-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 37
US-10-354-240-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 TISNNLFFNHHKVML 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 ASTGVTISNNHFFNH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 86.77
Matches 13, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: MISC_FEATURE
                                                                                                                                                                        US-10-354-240-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-354-240-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
ઠે
                                                    g
```

8 셤

```
US-09-791-524-1
US-09-791-524-1
Sequence 1, Application US/09791524
Publication No. US20030143209A1
GENERAL INFORMATION:
TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes
FILE REFERENCE: A3319A
CURRENT APPLICATION NUMBER: US/09/791,524
CURRENT FILIAG DATE: 2001-02-22
PRIOR APPLICATION NUMBER: 60/09828
PRIOR FILIAG DATE: 1998-08-27
                                                                                                                                                                                                                                                                                                                  Varga, Janos
TITLE OF INVENTION: CYCLIC PEPTIDES THAT BIND TO
UROKINASE-TYPE PLASMINGEN ACTIVATOR RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: LIVNAT, SHMUEL
REGISTRATION NUMBER: 33,949
REFERENCE DOCKET NUMBER: ANG-001/DIV (80144-0007)
TELECOMMUNICATION: (202) 955-8787
TELEPAX: (202) 955-3751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: PETENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/349,543
FILIDATION: CURRENT 22-Jan-2003
CLASSIFICATION: CURKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSE: RADER, FISHMAN & GRAUER
STREET: 1233 20TH STREET NW, SUITE 501
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 35; DB 14;
Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/285,783
FILING DATE: 05-Apr-1999
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                             Sequence 4, Application US/10349543
Publication No. US20030166514A1
GENERAL INFORMATION:
APPLICANT: Jones, Terence R.
Haney, David N.
Varga, Janos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 32.4%;
Best Local Similarity 46.2%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 20036
COMPUTER READABLE FORM:
                                                     | :|| :| | | S GTAVSNKYFSNLH 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO:
                            GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GTCVSNKYFSNIH 13
                                                                                                                                                                           US-10-349-543-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-349-543-4
                                                                                                                                               RESULT 8
                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       요
                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                               Publication US/09791524

Publication No. US20030143209A1

GENERAL INFORMATION:

APPLICANT: Aventis Pharmaceuticals Products Inc.

TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes FILE REFERENCE: A3319A

CURRENT APPLICATION NUMBER: US/09/791,524

CURRENT PILING DATE: 2001-02-22

PRIOR FILING DATE: 1998-08-27

NUMBER OF SEQ ID NOS: 150

SOFTWARE: Patentin version 3.0

SEQ ID NO 2

LENGTH: 19
                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17, Application US/10821544

Publication No. US20040265797A1

Publication No. US20040265797A1

APPLICANT: NOSENBERG, STEVE

APPLICANT: DOYLE, MICHAEL

APPLICANT: CHAPRAN, HAROLD

TITLE OF INVENTION: PETTIDE LIGANDS OF THE UROKINASE RECEPTOR

FILE REFERENCE: 014024-0284102

CURRENT FILING DATE: 2004-04-09

PRIOR APPLICATION NUMBER: US/09/155,260C

PRIOR APPLICATION NUMBER: US/09/155,260C

PRIOR APPLICATION NUMBER: PCT/US97/05199

PRIOR FILING DATE: 1998-09-23

PRIOR FILING DATE: 1996-03-28

PRIOR PLING DATE: 1996-03-36

PRIOR FILING DATE: 1996-03-36

PRIOR FILING DATE: 1996-03-28

PRIOR FILING DATE: 1996-03-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: peptide ligand
                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                     Score 39; DB 14; Length 20;
Pred. No. 46;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 33.3%; Score 36; DB 16; Length 19
Best Local Similarity 46.2%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.3%; Score 36; DB 10; Length 19
46.2%; Pred. No. 1.3e+02;
tive 2; Mismatches 5; Indels
; OTHER INFORMATION: Synthetic Peptide
US-10-005-530-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Artificial Sequence
                                                                       Query Match 36.1%;
Best Local Similarity 54.5%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 GTAVSNKYFSNIH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                                       2 VVLEQNNFFNH 12
                                                                                                                                                                        5 VTISNNHFFNH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Adenovirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-821-544-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-791-524-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 17
LENGTH: 19
```

Matches

ઠે 셤

```
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Morrison, Robert Kendall
APPLICANT: Morrison, Robert Kendall
APPLICANT: Morrison, Robert Kendall
APPLICANT: Afar, Daniel E.H.
APPLICANT: Ge, Wangmao
ARTICANT: Ratieno, Arthur
APPLICANT: Challita-Eid, Pia M.
TITLE OF INVENTION: Britiled 158P3D2 Useful in Treatment and Detection of Cancer;
FILE REFERENCE: 51158-200064.00
CURRENT APPLICATION NUMBER: US/10/107,532
CURRENT APPLICATION NUMBER: G0/283,112
PRIOR APPLICATION NUMBER: 60/283,112
PRIOR FILING DATE: 2001-04-10
PRIOR FILING DATE: 2001-04-10
PRIOR FILING DATE: 2001-04-25
TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
TITLE OF INVENTION: Entitled 158P3D2 Useful in Treatment and Detection of Cancer FILE REFERENCE: 51158-20064.00
CURRENT APPLICATION NUMBER: US/10/107,532
CURRENT PILING DATE: 2002-08-05
PRIOR APPLICATION NUMBER: 60/283,112
PRIOR PILING DATE: 2001-04-10
PRIOR PILING DATE: 2001-04-10
PRIOR FILING DATE: 2001-04-25
NUMBER OF SEQ ID NOS: 6321
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1786
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 34; DB 15; Length 9;
Pred. No. 1.6e+06;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                    Length 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                  31.5%; Score 34; DB 15; 50.0%; Pred. No. 1.6e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 6321
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 2854, Application US/10107532; Publication No. US20040003418A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 4582, Application US/10107532 Publication O. US20040003418A1 GENERAL INFORMATION: APPLICANT: Agensys, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Agensys, Inc.
APPLICANT: Jakobovits, Aya
APPLICANT: Faris, Mary
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 50.0
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapien
US-10-107-532-1786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10 NHFFNHHK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10 NHFFNHHK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | |::||:
2 NRFYSHHR 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | |::||:
NRFYSHHR 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 13
US-10-107-532-4582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-107-532-2854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-107-532-2854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 2854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ~
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ద
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1259, Application US/10107532

Sequence 1259, Application US/10107532

Publication No. US20040003418A1

GENERAL INFORMATION:

APPLICANT: Agenerys, Inc.

APPLICANT: Morrison, Karen Jane Meyrick

APPLICANT: Morrison, Robert Kendall

APPLICANT: Morrison, Robert Kendall

APPLICANT: Afar, Daniel E.H.

APPLICANT: Challita-Eid, Pia M.

ITLE OF INVENTION: Nucleic Acid and Corresponding Protein

ITLE OF INVENTION: Nucleic Acid and Corresponding Protein

ITLE OF INVENTION: Entitled 158P3D2 Useful in Treatment and Detection of Cancer;

FILE REFERENCE: 51158-20064.00

CURRENT APPLICATION NUMBER: 60/283,112

PRIOR FILING DATE: 2001-04-10

PRIOR FILING DATE: 2001-04-25

NUMBER OF SEQ ID NOS: 6321

SOFTWARE FRASEE FASESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
                                                                                                                                                                                             Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.5%; Score 34; DB 15; Length 9; 50.0%; Pred. No. 1.6e+06; ive 3; Mismatches 1; Indels
                                                                                                                                                                                           Score 35; DB 10; Length 19
Pred. No. 1.8e+02;
2; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1786, Application US/10107532
Publication No. US20040003418A1
GENERAL INFORMATION:
APPLICANT: Agensys, Inc.
APPLICANT: Jakobovits, Aya
APPLICANT: Paris, Mary
APPLICANT: Mary Mary
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Morrison, Robert Kendall
         NUMBER OF SEQ ID NOS: 150
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ge, Wangmao
Raitano, Arthur
Challita-Eid, Pia M.
                                                                                                                                                                                             Query Match 32.4%;
Best Local Similarity 46.2%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hubert, Rene S.
Afar, Daniel E.H.
                                                                                                                                                                                                                                                                                       4 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                4 GTCVSNKYFSNIH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 31.5
Best Local Similarity 50.0
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapien
US-10-107-532-1259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10 NHFFNHHK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 NRFYSHHR 9
                                                                                                   TYPE: PRT
CORGANISM: Adenovirus
US-09-791-524-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
US-10-107-532-1786
                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-107-532-1259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 1259
                                                      SEQ ID NO 1
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              유
```

```
APPLICANT: Ge, Wangmac Arthur APPLICANT: Ge, Wangmac APPLICANT: Raitano, Arthur APPLICANT: Chalitar-Eid, Pia M.
APPLICANT: Chalitar-Eid, Pia M.
APPLICANT: Chalitar-Eid, Pia M.
APPLICANT: Chalitar-Eid, Pia M.
TITLE OF INVENTION: Butiled 158P3D2 Useful in Treatment and Detection of Cancer FILE REFREENCE: 51158-20064.00
CURRENT APPLICATION NUMBER: US/10/107,532
CURRENT APPLICATION NUMBER: 60/283,112
PRIOR APPLICATION NUMBER: 60/286,630
PRIOR FILING DATE: 2001-04-10
PRIOR FILING DATE: 2001-04-25
NUMBER OF SEQ ID NOS: 6321
SOFTWARE: PastSEQ for Windows Version 4.0
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31.5%; Score 34; DB 15; Length 10; 50.0%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3; Mismatches
                                                                                                                                                                                                                                                                   Morrison, Karen Jane Meyrick
Morrison, Robert Kendall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Search completed: June 20, 2005, 15:55:14
Job time: 53.45 secs
                                                                                                                     Sequence 1504, Application US/10107532
Publication No. US20040003418A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                             Hubert, Rene S.
Afar, Daniel E.H.
                                                                                                                                                                                          APPLICANT: Agensys, Inc.
APPLICANT: Jakobovits, Aya
APPLICANT: Faris, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 NHFFNHHK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 NRFYSHHR 10
    1 NRFYSHHR 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-107-532-1504
                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                               APPLICANT: Hubert, Rene S.
APPLICANT: Afar, Daniel E.H.
APPLICANT: Afar, Daniel E.H.
APPLICANT: Ge, Wangmao.
Arburt Saitano, Arthur
APPLICANT: Challita-Eid, Dia M.
TITLE OF INVENTION: Britished 158P3D2 Useful in Treatment and Detection of Cancer;
TITLE OF INVENTION: Britished 158P3D2 Useful in Treatment and Detection of Cancer;
TITLE OF INVENTION: Britished 158P3D2 Useful in Treatment and Detection of Cancer;
FILE REFERENCE: 51158-200064.00
CURRENT APPLICATION NUMBER: 06/289.112
PRIOR APPLICATION NUMBER: 60/286,630
PRIOR FILING DATE: 2001-04-10
PRIOR FILING DATE: 2001-04-25
NUMBER OF SEQ ID NOS: 6321
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 4582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:

APPLICANT: Agensys, Inc.

APPLICANT: Agensys, Inc.

APPLICANT: Faris, Mary

APPLICANT: Faris, Mary

APPLICANT: Faris, Mary

APPLICANT: Morrison, Karen Jane Meyrick

APPLICANT: Hubert, Rene S.

APPLICANT: Hubert, Rene S.

APPLICANT: Applicant: Acid and Corresponding Protein

APPLICANT: Challita-Eid, Pia M.

APPLICANT: Challita-Eid, Pia M.

TITLE OF INVENTION: Entitled 1589302 Useful in Treatment and Detection of Cancer;

TITLE OF INVENTION: Entitled 1589302 Useful in Treatment and Detection of CURRENT PLING DATE: 2002-08-05

CURRENT PLING DATE: 2001-04-10

PRIOR APPLICATION NUMBER: 60/283,112

PRIOR PLING DATE: 2001-04-25

NUMBER OF SEQ ID NOS: 6321

SOFTWARE PESSER FORE: PastSEQ for Windows Version 4.0

SEQ ID NO 4644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 34; DB 15; Length 9;
Pred. No. 1.6e+06;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31.5%; Score 34; DB 15; Length 9; 50.0%; Pred. No. 1.6e+06; Live 3; Mismatches 1; Indels
                      Faris, Mary
Morrison, Karen Jane Meyrick
Morrison, Robert Kendall
Hubert, Rene S.
Afar, Daniel E.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4644, Application US/10107532 Publication No. US20040003418A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31.5%;
50.0%;
Jakobovits, Aya
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 50.0
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 50.0
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10 NHFFNHHK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | |::||:
1 NRFYSHHR 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-107-532-4582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-107-532-4644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
```

10 NHFFNHHK 17

ઠ

ö

Gaps

. 0

HIS ROLL BUTTER

```
RESULT 1
US-08-467-023-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       53, Appl
45, Appl
11, Appl
14, Appl
14, Appl
14, Appl
16, Appl
26, Appl
26, Appl
116, Appl
118, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                         (without alignments)
92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                              June 20, 2005, 14:04:11 , Search time 16.15 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-467-023-44
US-09-142-524D-52
US-09-142-524D-53
US-09-142-524D-53
US-08-467-023-45
US-08-467-023-45
US-08-142-524D-50
US-08-142-524D-50
US-08-142-524D-50
US-08-142-591B-4
US-08-142-591B-24
US-08-142-591B-24
US-08-142-591B-24
US-08-142-591B-24
US-08-142-591B-24
US-08-142-591B-24
US-08-142-591B-24
US-08-142-591B-24
US-08-142-591B-26
US-08-145-47-26
US-08-145-47-26
US-08-145-47-26
US-08-145-47-26
US-08-145-47-26
US-08-145-47-26
US-08-145-47-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-981-490B-5
US-07-826-928A-6
US-08-747-915-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-181-816-2
                                                                                                                                                                                                                                                                                                                                                                                                                                  513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                 - protein search, using sw model
                                                                                                                                                                                                                                                US-09-202-464-21
108
1 ASTGVTISNNHFFNHHKVML 20
                                                                                                                                                                                                                                                                                                                                                        BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Issued Patents AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Minimum DB seq length: 0
Maximum DB seq length: 20
                                                                                                                                                                                                                                                      Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OM protein
                                                                                                                                                                                                                                                                                                             Seguence:
                                                                                                                                                                                                                                                                                                                                                                                                                                     Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Database
                                                                                                                                                    Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Result
```

```
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sume, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akino
APPLICANT: Iwama, Akino
APPLICANT: Iwama, Akino
APPLICANT: Iwama, Akino
APPLICANT: Wino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
CURRENT APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
NUMBER: OF SEQ ID NOS: 174
SOCIED NO 53
SEQ ID NO 53
                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                                         Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match

48.1%; Score 52; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.067;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St

    i LOCATION: (1) .. (15)
    i OTHER INFORMATION: Cryjl peptide, Figure 1, Row 39
    US-09-142-524D-53

; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 37 US-09-142-524D-51
                                                                                                         Score 68; DB 4;
Pred. No. 0.0002;
                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . Sequence 53, Application US/09142524D ; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Gollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.;
APPLICANT: APPLICANT: Powers, Steven P.;
APPLICANT: APP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 45, Application US/08467023 ; Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Cryptomeria japonica
                                                                                                         63.0%;
86.7%;
                                                                                                                                                                                                                                           1 ASTGVTISNNHFFNH 15
                                                                                                                                                                                                                                                                                                            1 SSTGVTISNNLFFNH 15
                                                                                                      Query Match
Best Local Similarity 86.7
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12 FFNHHKVML 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FFNHHKVML 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02154
                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-142-524D-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 5
US-08-467-023-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE
                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5.2 Application US/09142524D

| Sequence 5.2 Application US/09142524D
| Patent No. 6719976
| GENERAL INFORMATION:
| APPLICANT: Sone, Toshio
| APPLICANT: Name, Akinori
| APPLICANT: Ivama, Akiko
| APPLICANT: Ivama, Akiko
| APPLICANT: Tivama, Akiko
| APPLICANT: Name, Akiko
| PRIOR FILING DATE: 198-09-09
| PRIOR PILING DATE: 1997-03-10
| NUMBER OF SEQ ID NOS: 174
| SOFTWARE: Patentin version 3.1
| SEQ ID NO 52
| NUMBER OF SEQ ID NOS: 174
| SEQ ID NO 52
| NUMBER OF SEQ ID NOS: 174
| SEQ ID NO 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                  ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 68.5%; Score 74; DB 4; Length 15; Best Local Similarity 93.3%; Pred. No. 2.2e-05; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                       Query Match 86.1%; Score 93; DB 3; Length 20; Best Local Similarity 94.7%; Pred. No. 3.1e-08; Matches 18; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 38
US-09-142-524D-52
                                                                                                                                                                                                            2 STGVTISNNHFFNHHKVML 20
                                                                                                                                                                                                                                                  STGVTISNNLFFNHHKVML 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 TISNNHFFNHHKVML 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 TISNNLFFNHHKVML 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                            RESULT 2
US-09-142-524D-52
             US-08-467-023-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24, Application US/09063733A
Patent No. 6372211
GENERAL INPORMATION:
APPLICANT: Baac, Barbara G.
APPLICANT: Greenplate, John T.
APPLICANT: Purcell, John P.
APPLICANT: Romano, Charles P.
APPLICANT: Romano, Charles P.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROLLING TITLE OF INVENTION: INSECTS
                                                                                                                                                                                                      APPLICANT: Kuo, Mei-Chang,
APPLICANT: Kuo, Mei-Chang,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    40.7%; Score 44; DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                      AUDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: 08/350,225
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REFERENCE/DOCKET NUMBER: 38,872
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                Sequence 43, Application US/08467023
                                                                                                                      Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 40.7
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 STGVTISNN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STGVTISNN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                         MA
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-063-733A-24
                                           JS-08-467-023-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-467-023-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       41.7%; Score 45; DB 4; Length 15; 90.0%; Pred. No. 0.85; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 48.1%; Score 52; DB 3; Length 20; Best Local Similarity 100.0%; Pred. No. 0.092; Matches 9; Conservative 0; Mismatches 0; Indels
               COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARED: PAC-DOS/MS-DOS
SOFTWARED: PAC-DOS/MS-DOS
SOFTWARED: PAC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,892
REFERENCE/DOCKET NUMBER: 38,892
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAK: (617) 227-740
TELEFAK: (617) 227-75941
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTER SICK:
                                                                                                                                                                                                                                                                                                                   025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 36
US-09-142-524D-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 50, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                            20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 ASTGVTISNN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SSTGVTISNN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 FFNHHKVML 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12 FFNHHKVML 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 9; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-142-524D-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-467-023-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
```

셤

ઠ

ö

δ 셤

```
| :|| :| | | S GTAVSNKYFSNLH 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-747-915-4
                                                                                                           US-08-747-915-4
                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17, Application US/09155260C

Patent No. 6794358

GENERAL INFORMATION:
APPLICANT: ROSEBERG, STEVE
APPLICANT: CHAPMAN, HAROLD
ITILE OF INVENTION: PEPTIOL
FILE REFERENCE: 014024-0284102
CURRENT FILING DATE: 1990-90-23
PRIOR APPLICATION NUMBER: US/09/155,260C
CURRENT APPLICATION NUMBER: 08/09/155,260C
PRIOR PELICATION NUMBER: 08/09/155,260C
PRIOR FILING DATE: 1997-03-28
PRIOR FILING DATE: 1996-03-28
NUMBER OF SEQ ID NOS: 76
SEQ ID NOS: 76
SEQ ID NO 17
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ') OTHER INFORMATION: Description of Artificial Sequence: Synthetic US-09-155-260C-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .:
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 36.1%; Score 39; DB 3; Length 20; Best Local Similarity 54.5%; Pred. No. 10; Matches 6; Conservative 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 33.3%; Score 36; DB 4; Length 19; Best Local Similarity 46.2%; Pred. No. 29; Matches 6; Conservative 2; Mismatches 5; Indels
                                                                                                                           COUNTRY: USA

ZIP: 77210-4433

ZIP: 77210-4433

COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/063,733A
FILING DATE: 21-APR-1998
CLASSIFICATION: 435
ATTONEY/AGENT INFORMATION:
NAME: Patterson, Melinda L.
REGISTRATION NUMBER: 33,062
REFERENCE/DOCKET NUMBER: 33,062
REFERENCE/DOCKET NUMBER: 31,062
REFERENCE/DOCKET NUMBER: 31,062
RELEPAX: 713-787-1400
INFORMATION FR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LEMETH: 20 maino acids
                                             ADDRESSEE: Arnold White & Durkee STREET: PO Box 4433 CITY: Houston STATE: TX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 GVTISNNHFFNHH 16
  NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 VTISNNHFFNH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 VVLEONNFFNH 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , TOPOLOGY: linear
US-09-063-733A-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-155-260C-17
                                                                                        CITY: Hou
STATE: TX
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
```

```
GOETINCK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-142-590B-4

| Sequence 4, Application US/08142590B
| Sequence 4, Application US/08142590B
| Patent No. 6120765
| PATENT No. 6120765
| APPLICANT: HIBINO, Tashihiko; TAKAHASHI, Tadahito; HORII, Izumi; and GOI TINE OF INVENTION: UROXINASE PLASMINOGEN ACTIVATOR FRAGMENTS
| TITLE OF INVENTION: UROXINASE PLASMINOGEN ACTIVATOR FRAGMENTS
| NUMBER OF SEQUENCES: 25
| CORRESPONDENCE ADDRESS: AND STREET: AND STATE: MASSACHUSETTS
| STREET: Boston STATE: MASSACHUSETTS
| COUNTRY: USA
| CONTRY: USA
| ZIP: 02109
| COMPUTER READABLE FORM: HEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
Sequence 4, Application US/08747915
Patent No. 5942492
GENERAL INFORMATION:
APPLICANT: Jones, Terence R.
APPLICANT: Haney, David N.
APPLICANT: Varga, Janos
TITLE OF INVENTION: CYCLIC PEPTIDES THAT BIND TO
TITLE OF INVENTION: UROKINASE-TYPE PLASMINOGEN ACTIVATOR RECEPTOR NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 35; DB 2; Length 18; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5; Indels
                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUW TYPE: PLOPDY disk
COMPUTER: IBM PC compatible
OCHEVING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,915
FILING DATE: 12-NOV-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             32904-20001.00
                                                                                                                                                                                                                                                                ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 PENNSYLVANIA AVENUE,
CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIPICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION UNDRER: 29, 959
REFRENCE/DOCKET UNBER: 32904
TELECOMMUNICATION INFORMATION:
TELEFAX: (202) 887-1500
TELEFAX: 90-4030 MRSNFOERSWSH
INFORMATION FOR SEQ ID NO: 4:
SEQUIENCE CHARACTERISTICS:
LENGTH: 18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 32.4%;
Best Local Similarity 46.2%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GTCVSNKYFSNIH 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
```

```
GOETINCK,
                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23, Application US/08142590B
| Patent No. 6120765
| GENERAL INFORMATION:
| APPLICANT: HIBINO, Tashihiko; TAKAHASHI, Tadahito; HORII, Izumi; and
| TITLE OF INVENTION: UROKINASE PLASMINOGEN ACTIVATOR FRAGMENTS
| VMMBER OF SEQUENCES: 25
| CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Jones, Terence R.
Haney, David N.
Varga, Janos
TITLE OF INVENTION: CYCLIC PEPTIDES THAT BIND TO
UROKINASE-TYPE PLASMINGEN ACTIVATOR RECEPTOR
                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIE: 20036
COMPUTER: USA
COMPUTER: Floppy disk
COMPUTER: Thoppy disk
COMPUTER: Thoppy disk
COMPUTER: DATE Floppy disk
COMPUTER: DATE Floppy disk
COMPUTER: DATE Floppy disk
COMPUTER: DATE Floppy disk
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATE: 05-Apr-1999
CLASSIFICATION: <UNKnown>
ATTORNEY AGENT INPORMATION:
NAME: LIVNAT, SHWIEL
REGISTRATION NUMBER: 33,949
REFERENCE/DOCKET NUMBER: 33,949
REFERENCE/DOCKET NUMBER: ANG-001/DIV (80144-0007)
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECHAN: (202) 955-8751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4; Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENČE ADDRESS:
ADDRESSEE: RADER, FISHWAN & GRAUER
STREET: 1233 20TH STREET NW, SUITE 501
CITY: WASHINGTON
STATE: DC
                                                                                                       Score 35; DB 3;
Pred. No. 39;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           32.4%; Score 35; DB 46.2%; Pred. No. 39; tive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
TOPOLOGY: linear
;
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-285-783-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/09285783
Patent No. 6514710
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acida
TYPE: amino acida
STRANDEDNESS: single
                                                                                                          32.4%;
                                                                          Query Match
Best Local Similarity 46.2.
Best Local 6; Conservative
                                                                                                                                                                                                                                  4 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                            2 GTCVSNKYFSNIH 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GTCVSNKYFSNIH 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 46.2
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                FRAGMENT TYPE: internal
                                          US-08-142-590B-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-142-590B-23
                                                                                                                                                                                                                                                                                                                                                                                       RESULT 13
US-09-285-783-4
                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GOETINCK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 24, Application US/08142590B

Patent No. 6120765
GENERAL INFORMATION:
APPLICANT: HIBINO, Tashihiko; TAKAHASHI, Tadahito; HORII, Izumi, and TITLE OF INVENTION:
UWBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP STREET: 28 State Street
CITY: Boston
STREET: Wassachusetts
COUNTRY: USA
ZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              32.4%; Score 35; DB 3; Length 18;
46.2%; Pred. No. 39;
tive 2; Mismatches 5; Indels
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NAMBER: US/08/142,590B
FILING DATE: 25-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/042,318
FILING DATE: 02-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: MYGETS, PRUL L.
REGISTRATION NUMBER: 35,965
REFREENCE/DOCKET NUMBER: 36,965
REFREENCE/DOCKET NUMBE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/142,590B
FILING DATE: 25-OCT-1993
PRIOR APPLICATION NUMBER: US/08/142,590B
FILING DATE: 02-APR-1993
FILING DATE: 02-APR-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Myere, Paul L.
REGIGSTRATION NUMBER: 35,965
REFRENCE/DOCKET NUMBER: MGP-009CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 46.2
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 GTCVSNKYFSNIH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-142-590B-24
```

ð 8

```
Search completed: June 20, 2005, 14:22:20 Job time : 17.15 secs
                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                9 NNHFFNHHK 17
                                                                                                                                                                                                                                                                                                                                                                                                                         1 NNHAFOEHE 9
                                                                                                                                                                                                                                              US-08-166-195A-26
                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WS-08-166-195A-26
Sequence 26, Application US/08166195A
Sequence 26, Application US/08166195A
Patent No. 54807DN:
Patent No. 54807DN:
Patent No. 54807DN:
Patent No. 54807DN:
Patent No. 100 Nand, Michael G.
PAPLICANT: Widgren, Escher E.
PAPLICANT: Widgren, Escher E.
PAPLICANT: Lea, Isabel
TITLE OF INVENTION: Sperm Antigen Corresponding to a
TITLE OF INVENTION: Sperm Zona Binding Protein Autoantigenic Epitope
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
PADDRESSEE: Kenneth D. Sibley
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 35; DB 3; Length 20; Pred. No. 44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

ZIP: 28234

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRING APPLICATION NUMBER: US/08/166,195A

TILING DATE: 10 DEC 1993

TILING DATE: ...MATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 32.4%; Score 35; DB Best Local Similarity 46.2%; Pred. No. 44; Matches 6; Conservative 2; Mismatches
                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BE PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/142,590B
FILING DATE: 2-CT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/042,318
FILING DATE: 02-APR-1993
ATTONEY/AGENT INFORMATION:
NAME: Myers, Paul L.
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: MGP-009CP
TELEFAX: (617) 227-7400
TELEFAX: (617) 227-7401
TELEFAX: (617) 227-7591
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acids
TYPE: amino acids
TOPOLOGY: linear
ADDRESSEE: LAHIVE & COCKFIELD, LLP STREET: 28 State Street CITY: Boston STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: P.O. Box 34009
CITY: Charlotte
STATE: No. 5480799th Carolina
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 GVTISNNHFFNHH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 GTCVSNKYFSNIH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-142-590B-23
                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                      Query Match 30.6%; Score 33; DB 1; Length 10; Best Local Similarity 55.6%; Pred. No. 42; Matches 5; Conservative 1; Mismatches 3; Indels
REFERENCE/DOCKET NUMBER: 5470
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
INFORMATION FOR SEQ. ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
```

```
Sequence 53, Appl
Sequence 54, Appl
Sequence 52, Appl
Sequence 13, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 75, Appl
Sequence 36, Appl
Sequence 36, Appl
Sequence 6, Appl
                                                                                                                                June 20, 2005, 14:14:01 ; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published Applications AA:*

1: \cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: \cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB_pep:*
3: \cgn2_6/ptodata/2/pubpaa/NEG_NEW_PUB_pep:*
4: \cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB_pep:*
5: \cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
6: \cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB_pep:*
7: \cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep:*
8: \cgn2_6/ptodata/2/pubpaa/NEO8_PUBCOMB.pep:*
9: \cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
11: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
11: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
13: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
14: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
15: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
16: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
16: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
17: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
18: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
19: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
10: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
11: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
12: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
13: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
14: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
15: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
16: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
17: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
18: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
19: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                           332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-354-240-54

US-10-354-240-54

US-10-354-240-52

US-09-864-761-34373

US-09-864-761-34373

US-09-834-497A-11

US-10-775-965-75

US-10-775-965-75

US-10-12-034A-36

US-10-420-564-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                         1714042 seqs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                           OM protein - protein search, using sw model
                                                                                                                                                                                                                                                            115
1 HFFNHHKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                 BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-202-464-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           666.1
622.6
455.2
400.0
277.8
277.8
277.8
277.8
277.8
                                                                                                                                                                                                                                                            Perfect acore:
                                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             92232322222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                          Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Database
                                                                                                                                             Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Result
```

g	1045, 1045, 1045, 1045,	4444444	5	Sequence 734, App Sequence 3, Appli Sequence 736, App Sequence 13, Appl Sequence 13, Appl Sequence 17, Appl Sequence 18, Appl Sequence 18, Appl Sequence 227, Appl Sequence 227, Appl
	15 US-10-632-388-104 15 US-10-632-388-104 15 US-10-632-388-104 15 US-10-651-723-104 15 US-10-645-761-104	15 US-10-645 15 US-10-666 15 US-10-666 15 US-10-653 15 US-10-653 18 US-10-645	8 US-08-981-49081-5 14 US-10-293-086-129 14 US-10-104-610-19 16 US-10-775-423-4 16 US-10-775-423-4 17 US-10-191-732-4	14 US-10-26-629A-734 15 US-08-775-765-3 16 US-10-226-629A-735 17 US-10-226-629A-736 18 US-10-28-69B-13 19 US-10-354-69B-13 11 US-10-467-396-17 11 US-10-467-396-17 11 US-10-468-370-227 11 US-10-468-370-228
21.00.0.7	,	227.00		

ALIGNMENTS

```
Sequence 53, Application US/10354240

Publication No. US2030185847A1

GENURAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Mana, Akinori
APPLICANT: Mana, Akinori
APPLICANT: Mana, Akinori
APPLICANT: Mana, Akinori
APPLICANT: Mana, Akino
APPLICANT: Mana, Mana
APPLICANT: Mana, Mana, Mana
APPLICANT: Mana, Mana,
```

```
Sequence 55, Application US/10354240

Sequence 55, Application US/10354240

Publication No. US20303185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Sone, Toshio

APPLICANT: Wama, Akinori

APPLICANT: Iwam, Akiko

APPLICANT: Wino, Kohauke

ITILE OF INVENTION: Peppide-Based Immunotherapeutic Agent for Treating Allergic Disea

ITILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT APPLICATION NUMBER: DCT/JP97/00740

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR APPLICATION NUMBER: US 09/142,524

SOFTWARE: PatentIn version 3.1

SEQ ID NO 55

TANGER OF SEQ ID NO 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NESOUR S

US-09-864-761-34373

US-09-864-761-34373

Sequence 34373. Application US/09864761

Sequence 34373. Application US/09864761

Sequence 34373. Application US/09864761

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Rank, David R.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USFFUL FOR TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USFFUL STILE REFERENCE: Acomica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-26

PRIOR PELING DATE: 2000-06-03

PRIOR PELING DATE: 2000-08-03

PRIOR PELING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR PELING DATE: 2000-09-27

PRIOR PELING DATE: 2000-09-27
                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ô
                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
            45.2%; Score 52; DB 14; Length 15; 100.0%; Pred. No. 0.65; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; LOCATION: (1)._(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 41
US-10-354-240-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 46; DB 14;
Pred. No. 5.1;
0; Mismatches 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 80.0%;
Matches 8; Conservative (
              Query Match
Best Local Similarity 100.
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11 LGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 LGHDDAYSDD 10
                                                                                                 10
                                                                                                                        7 FFNHHKVML 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC_FEATURE
                                                                                               2 FFNHHKVML
                                                                                                 ð
                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Towne, Akinori

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT APPLICATION NUMBER: DS-03-10

PRIOR FILING DATE: 1998-09-09

PRIOR FILING DATE: 1998-09-09

WINDER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 62.6%; Score 72; DB 14; Length 15; Best Local Similarity 86.7%; Pred. No. 0.0007; Matches 13; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: (1).7(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 40
US-10-354-240-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 38
                                                                                                                                ; Sequence 54, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 HKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 HKVMLLGHDDAYSDD 15
2 FFNHHKVMLLGHSD 15
                                   2 FFNHHKVMLLGHDD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: MISC_FEATURE
                                                                                                                    US-10-354-240-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 3
US-10-354-240-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ò
                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
```

```
Sequence 11, Application US/10354698
; Publication No. US20030186416A1
; Publication No. US20030186416A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylesterase,
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylesterase,
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylesterase,
; TITLE OF INVENTION WIMBER: US/10/354,698
; CURRENT FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: US/09/839,497
; PRIOR APPLICATION NUMBER: US/09/839,497
; RATOR FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 11
; FUNCTION 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 75, Application US/10775965
; Sequence 75, Application US/10775965
; Publication No. US20040209808A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myears Squibb Company
; APPLICANT: Rornacker, Michael
; TITLE OF INVENTION: MODULATORS OF HUMAN G-PROTEIN COUPLED RECEPTORS
; FILE REFREBRUE: D0286 NP
; CURRENT APPLICATION NUMBER: US/10/775,965
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: U.S. 60/446,655
; PRIOR APPLICATION NUMBER: U.S. 60/446,655
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Patentin Version 3.2
; SEQ ID NO 75
                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                 Score 32; DB 9; Length 9;
Pred. No. 1.5e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 32; DB 14;
Pred. No. 1.5e+06;
2; Mismatches 0;
                                                                                                                                                                                                                                                                                        2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27.8%;
                                                                                                                                                                                                                 Query Match
Best Local Similarity 71.4%;
Matches 5; Conservative 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: peptide US-10-775-965-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 71.4
Matches 5; Conservative
              ; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-839-497A-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                           8 VMLLGHS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8 VMLLGHS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :||:|||
1 IMLIGHS 7
                                                                                                                                                                                                                                                                                                                                                                                                  :||:|||
1 IMLIGHS 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-354-698-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-775-965-75
                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       윱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Pallas, David C.
APPLICANT: Pallas, David C.
APPLICANT: DL, Xianxing
TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylesterase,
TITLE OF INVENTION: Recombinant DNA Molecules and Methods
TITLE OF INVENTION: Recombinant DNA Molecules and Methods
FILE REPERENCE: Docket No. US20020107374A1 105-97A
CURRENT FILING DATE: 2001-04-20
PRIOR APPLICATION NUMBER: 60/082,202
PRIOR FILING DATE: 1998-04-17
PRIOR APPLICATION NUMBER: 09/293,322
PRIOR APPLICATION NUMBER: 09/293,322
PRIOR PILING DATE: 1999-04-16
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMATION: EXPRESSED IN B1474, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN B1474, SIGNAL = 2.1

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.1

OTHER INFORMATION: EXPRESSED IN HBLAD LIVER, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN HBLA, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN HBLA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.4

US-09-864-761-34373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 33; DB 9; Length 18;
Pred. No. 5.2e+02;
4; Mismatches 4; Indels
PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2000-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: MAP TO AC007914.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-839-497A-11

Sequence 11, Application US/09839497A

Setent No. US20020107374A1

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 HFFNHHKVMLLG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :|| : ::|
7 HHHHHVITIG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 4; Conserva
```

셤

```
Sequence 6, Application US/10870399; Publication No. US20050106698A1; General INFORMATION: US20050106698A1; GENERAL INFORMATION: CLARK, Paul L. APPLICANT: Chark, Paul L. APPLICANT: Chark, Paul L. APPLICANT: Scharpf Jr., Lewis G. TITLE OF INVENTION: Recombinant Kid Pregastric Esterase and Methods for TITLE OF INVENTION: Tes TITLE OF INVENTION: Production and Use TITLE OF INVENTION: Production and Use TITLE OF INVENTION NUMBER: US/10/870,399; CURRENT FILING DATE: 2004-09-17; PRIOR APPLICATION NUMBER: US/10/420,564; PRIOR APPLICATION NUMBER: US/10/420,564; PRIOR FILING DATE: 2003-09-24; PRIOR APPLICATION NUMBER: US/09/34665B; PRIOR PILING DATE: 2002-09-24; PRIOR PILING DATE: 1998-11-05; NUMBER OF SEQ ID NOS: 7; SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                         APPLICANT: Bolen, Paul L.
APPLICANT: Bolen, Paul L.
APPLICANT: Scharfd Ju.
APPLICANT: Scharfd Ju.
TITLE OF INVENTION: Recombinant Kid Pregastric Esterase and Methods for TITLE OF INVENTION: Production and Use
TITLE OF INVENTION: Production and Use
FILE REFERENCE: IFF-0009
CURRENT APPLICATION NUMBER: US/10/420,564
CURRENT FILING DATE: 2003-04-22
PRIOR PILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US/9/186,489
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.0
SEG ID NO 6
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
PGGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: A modified
OTHER INFORMATION: polyHis-enterokinase polypeptide sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) OTHER INFORMATION: Description of Artificial Sequence: A modified ; OTHER INFORMATION: polyHis-enterokinase polypeptide sequence US-10-420-564-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27.8%; Score 32; DB 15; Length 20;
40.0%; Pred. No. 8.2e+02;
tive 1; Mismatches 9; Indels
                                                                                                                                                                      US-10-420-564-6; Application US/10420564; Sequence 6; Application US/1042054; Publication No. US20040001819A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 HHHHHHHHHSSGHID--DDD 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 HFFNHHKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity 40.0%
Best Local 8; Conservative
                         2 FFNHHKVMLLG 12
                                                                      7 FTCHHVVRLLG 17
                         ð
                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-012-034A-36

Sequence 36, Application US/10012034A

Publication No. US20020137141A1

GENERAL INFORMATION:

APPLICANT: Ben-Sasson, Shmuel

TITLE OF INVENTION: SHORT PEPTIDES FROM THE A-REGION OF

TITLE OF INVENTION: PROTEIN KINASES WHICH SELECTIVELY MODULATE PROTEIN KINASE

TITLE OF INVENTION: ACTIVITY

FILE REPRESENCE: BEN-SASSON-S-A

CURRENT FILING DATE: 2001-12-11

PRIOR APPLICATION NUMBER: US/10/012,034A

PRIOR APPLICATION NUMBER: 09/734,520

PRIOR PILING DATE: 2000-12-11

NUMBER OF SEQ ID NOS: 133

SOFTWARE: FRALSEQ for Windows Version 4.0

SEQ ID NO 36

LENGTH: 18
                                                                                                                                                                                                                                                              Sequence 36, Application US/09734520
Patent No. US20020115173A1
GENERAL INFORMATION:
APPLICANT: Ben-Sasson, Shmuel
TITLE OF INVENTION: SHORT PEPTIDES FROM THE A-REGION OF
TITLE OF INVENTION: PROTEIN KINASES WHICH SELECTIVELY MODULATE PROTEIN KINASE
TITLE OF INVENTION: ACTIVITY
TITLE OF INVENTION: ACTIVITY
OURRENT PAPLICATION NUMBER: US/09/734,520
CURRENT PELING DATE: 2000-12-11
NUMBER OF SEQ ID NOS: 122
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 36
LENGTH: 18
                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                    Gaps
                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ,
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 32; DB 13; Length 18;
Pred. No. 7.3e+02;
0; Mismatches 4; Indels
Score 32, DB 16; Length 12; Pred. No. 4.8e+02; 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.8%; Score 32; DB 9; Length 18; 63.6%; Pred. No. 7.38+02; tive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
27.8%;
50.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 27.8%;
Best Local Similarity 63.6%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 27.8
Best Local Similarity 63.6
Matches 7; Conservative
                                               5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 FFNHHKVMLLG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 FTCHHVVRLLG 17
                                                                                                                              3 NSHKIWMLPH 12
                                                                                             4 NHHKVMLLGH 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTHER INFORMATION: IRK
US-09-734-520-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: IRK
Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; NAME/KEY: AMIDATION
; LOCATION: (0)...(18)
US-10-012-034A-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
NAME/KEY: MYRISTATE
LOCATION: (1)...(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Unknown
                                                                                                                                                                                                                                            US-09-734-520-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                  ઠે
                                                                                                                                             윱
```

Gaps

ö

Gарв

; 0

Length 17; 4; Indels

```
| US-10-414-583-33 |
| US-10-414-583-33 |
| Sequence 33, Application US/10414583 |
| Sequence 33, Application No. US20040005636A1 |
| Sequence 31, Application No. US20040005636A1 |
| Publication No. US20040005636A1 |
| APPLICANT: Goodey Kiplin |
| TITLE OF INVENTION: TO A PROTEIN |
| TITLE OF INVENTION: TO A PROTEIN |
| FILE REFERENCE: 9811-015-99 |
| CURRENT APPLICATION NUMBER: US/10/414,583 |
| CURRENT APPLICATION NUMBER: 60/372,952 |
| PRIOR FILING DATE: 2002-04-15 |
| NUMBER OF SEQ ID NOS: 88 |
| SOFTWARE: Patentin version 3.2 |
| SEQ ID NO 33 |
| LENGTH: 20 |
| TENGTH: 20 |
| TENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 27.0%; Score 31; DB i5; Length 20; Best Local Similarity 43.8%; Pred. No. 1.2e+03; Matches 7; Conservative 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                               Score 31; DB 15;
Pred. No. 9.7e+02;
2; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Search completed: June 20, 2005, 15:55:15 Job time : 54.45 Bec8
; PRIOR FILING DATE: 2000-06-16; NUMBER OF SEQ ID NOS: 3247; SEQ ID NO 2968; LENGTH: 17; TYPE: PRT; ORGANISM: Homo sapiens US-10-293-418-2968
                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 50.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 NHHKV----MLLGHSD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 SHOKVTLLQLLLGHKN 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : | |:|| | |
5 ILTGYSDYYGMD 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                          9 MLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Homo sapiens
US-10-414-583-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                           1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2968, Application US/09880748

Publication No. US20030059937A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFRENCE: PS23

CURRENT APPLICATION NUMBER: US/09/880,748

CURRENT FILING DATE: 2000-06-15

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR PILING DATE: 2000-06-15

PRIOR PPLICATION NUMBER: 60/240,816

PRIOR PPLICATION NUMBER: 60/270,379

PRIOR PILING DATE: 2000-10-17

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR PLILING DATE: 2001-03-16

PRIOR PLILING DATE: 2001-03-21

PRIOR PLILING DATE: 2001-03-21

PRIOR PLILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239

SOFTWARE: PATENTIN VOR.: 2.0

SEQ ID NOS: 3239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 14
US-10-293-418-2968

i Sequence 2966, Application US/10293418

i Publication No. US2003022396A1

i GENERAL INFORMATION:

i APPLICANT: Ruben et al.

i TILE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523P2

CURRENT PFLICATION NUMBER: US/10/293,418

CURRENT PILING DATE: 2002-11-27

PRIOR APPLICATION NUMBER: 60/331,469

PRIOR FILING DATE: 2001-11-16

PRIOR PLING DATE: 2001-12-19

PRIOR APPLICATION NUMBER: 60/340,817

PRIOR APPLICATION NUMBER: 60/340,817

PRIOR APPLICATION NUMBER: 60/294,499

PRIOR PILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR APPLICATION NUMBER: 60/277,379

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-01-17
                                                                                                                                                           5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                             Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 10; Length 17;
                                                                     Query Match 27.8%; Score 32; DB 17; Length 20
Best Local Similarity 40.0%; Pred. No. 8.2e+02;
Matches 8; Conservative 1; Mismatches 9; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27.0%; Score 31; DB 10;
50.0%; Pred. No. 9.7e+02;
tive 2; Mismatches 4;
                                                                                                                                                                                                                             1 HFFNHHKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                   2 HНННННННSSGHID--DDD 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 50.0°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9 MLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : | |: | | | | 5 ILTGYSDYYGMD 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-2968
   US-10-870-399-6
                                                                                                                                                                                                                                                                                               a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
```

۲;

Gaps

4,

THIS PAGE BLANK (USPTO)

```
June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                      513545 seqs, 74649064 residues
                                                                    - protein search, using sw model
                                                                                                                                                                                              115
1 HFFNHHKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                              BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                             US-09-202-464-22
                                                                                                                                                                            Title:
Perfect score:
                                                                                                                                                                                                                                                  Scoring table:
                                                                    OM protein
                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                       Run on:
```

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Minimum DB seq length: 0 Maximum DB seq length: 20

Total number of hits satisfying chosen parameters:

1: /cgn2 6/ptodata/1/iaa/5A COMB.pep:*
2: /cgn2 6/ptodata/1/iaa/5B COMB.pep:*
3: /cgn2 6/ptodata/1/iaa/6A COMB.pep:*
4: /cgn2 6/ptodata/1/iaa/6B COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:* Issued Patents AA:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

55, Appl 46, Appl 11, Appl 11, Appl 11, Appl 6, Appl 6, Appl 66, Appl 66, Appl 66, Appl 1045, Appl 1045, Appl 1045, Appl 1045, Appl 1046, Appl 11, Appl 11, Appl 11, Appl 11, Appl Sequence 55, Sequence 46, Sequence 4, Sequence 11, Sequence 45 Description Sequence 1 Sequence 1 Sequence 6 Sequence US-08-467-023-45
US-09-142-524D-53
US-09-142-524D-53
US-09-142-524D-52
US-09-142-524D-55
US-08-467-023-44
US-09-142-524D-55
US-09-142-524D-55
US-09-142-524D-55
US-09-121-211-0
US-09-128-0828-1045
US-09-428-0828-1045
US-08-942-848-2
US-08-941-908-5 US-08-306-546C-19 US-08-530-524A-19 US-08-729-416C-19 SUMMARIES Query Match Length DB Score Result No.

Sequence

sequence 12, Appl Sequence 19, Appl Sequence 13, Appl Sequence 14, Appl Sequence 13, Appl Sequence 46, Appl Sequence 46, Appl Sequence 15, Appl Sequence 103, Appl Sequence 76, Appl Sequence 76, Appl Sequence 76, Appl Sequence 76, Appl Sequence 6, Appl Sequence 1, Appl Sequence 1, Appl Sequence 1, Appl Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli
US-09-019-346A-12 US-09-433-153-19 US-09-433-153-19 US-09-293-322C-14 US-09-293-322C-14 US-09-293-322C-14 US-09-293-322C-14 US-09-293-32C-14 US-07-616-910-46 PCT-US91-08497-46 US-09-218-176-40 US-09-218-176-40 US-09-218-176-40 US-09-440-781-76 US-09-8895-707-9 US-08-895-707-9 US-08-408-604A-75 US-07-616-910-1 US-07-616-910-1
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
333335555555555555555555555555555555555
00000000000000000000000000000000000000
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
00000000000000000000000000000000000000

ALIGNMENTS

```
APPLICANT: POLIOCK, Joanne;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mai-Chang;
APPLICANT: Young, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION TAPE: June 6, 1995
CLASSIFICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane B: Remillard
REFERRENCE/DOCKET NUMBER: 38,972
REFERRENCE/DOCKET NUMBER: 38,972
REFERRENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELLECOMMUNICATION:
CONTINUED OF TABLE OF T
                                                             Sequence 45, Application US/08467023 Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     45:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02154
JS-08-467-023-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                               Patent No.
```

ö

```
APPLICANT: Some, Toshio
APPLICANT: Sume, Akinori
APPLICANT: Mame, Akinori
APPLICANT: Mame, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Mama, Akiko
APPLICANT: Mama, Akiko
APPLICANT: Wino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TILE REFERENCE: SPO-103
CURRENT PAPLICATION NUMBER: US/09/142,524D
CURRENT PILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: PCT/JP97/00740
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 52
                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                               .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                            ; DB 4; Leng.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ImmuLogic Pharmaceutical Corporation, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 38
US-09-142-524D-52
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 40 US-09-142-524D-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 45.2%; Score 52; DB 4; Best Local Similarity 100.0%; Pred. No. 0.16; Matches 9; Conservative 0; Mismatches
                                                                                                                                                            Mismatches
                                                                                               Score 72;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                        US-09-142-524D-52
; Sequence 52, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Gollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 44, Application US/08467023 ; Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                               Query Match
Best Local Similarity 86.7%;
Matches 13; Conservative
                                                                                                                                                                                                                        6 HKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                  1 HKVMLLGHDDAYSDD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 FFNHHKVML 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 FFNHHKVML 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: MA
COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 5
US-08-467-023-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-00-13-524D-54

US-00-142-524D-54

Sequence 54, Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION

APPLICANT: Sone, Toshio

APPLICANT: Dairiki, Kazuo

APPLICANT: Wama, Akinori

APPLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR RILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 53
LENGTH: 15
                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / Match 66.1%; Score 76; DB 4; Length 15; Local Similarity 92.9%; Pred. No. 3.9e-05; les 13; Conservative 0; Mismatches 1; Indels
                                                                  Query Match 85.2%; Score 98; DB 3; Length 20; Best Local Similarity 89.5%; Pred. No. 2.7e-08; Matches 17; Conservative 0; Mismatches 2; Indels

; LOCATION: (1)...(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 39
US-09-142-240-53
                                                                                                                                                                                                                                                                                                                                                 RESULT 2
US-09-142-524D-53
US-09-142-53, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                               2 FFNHHKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                     2 FFNHHKVMLLGHDDAYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 FFNHHKVMLLGHSD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 FFNHHKVMLLGHDD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuc
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinoz
APPLICANT: Dalriki, Kaz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: MISC_FEATURE LOCATION: (1)...(15)
            US-08-467-023-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
```

```
Gaps
                                                                                                    APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Keung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark S.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.;
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS: 261
CORRESPONDENCE ADDRESS: 261
CORRESPONDENCE ADDRESS: Allerian Corporation, Inc.
STREET: Gli Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 40.0%; Score 46; DB 3; Length 20; Best Local Similarity 80.0%; Pred. No. 1.7; Matches 8; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: EN PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/09121211
Patent No. 6750052
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Shingh, Dhirendra P.
APPLICANT: Chylack, Leo T.
TITLE OF INVENTION: Lens Epithelial Cell Derived Growth
TITLE OF INVENTION: Factor
FILE REFERENCE: B0801/7116
                                                                                              Sequence 46, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11 LGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 LGHDDAYSDD 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02154
                                                                       JS-08-467-023-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-467-023-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Twama, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Kohsuke
APPLICANT: Number: US/09/142,524D
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: D98-09-09
RRIOR APPLICATION NUMBER: PCT/JP97/00740
RRIOR APPLICATION NUMBER: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO S: 174
SEQ ID NO S:
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 45.2%; Score 52; DB 3; Length 20; Best Local Similarity 100.0%; Pred. No. 0.21; Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 40.0%; Score 46; DB 4; Length 15; Best Local Similarity 80.0%; Pred. No. 1.2; Matches 8; Conservative 0; Mismatches 2; Indels
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORA APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORA POSTE INCOMPATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,972
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-7401
TELEPHONE: (617) 227-7401
TELEPHONE: CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 41
US-09-142-524D-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 55, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11 LGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 LGHDDAYSDD 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 FFNHHKVML 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12 FFNHHKVML 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ropology:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JS-09-142-524D-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
```

ઠે

ö

ઠે g ö

```
TYPE: PRT
CORGANISM: Homo sapiens
US-09-839-497A-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; NAME/KEY: PEPTIDE
; LOCATION: (1)...(15)
US-09-121-211-10
                                                                                                                                                                                                                                         :||:|||
1 IMLIGHS 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WS-09-497A-11

WS-09-497A-11

Sequence 11, Application US/09839497A

Sequence 11, Application US/09839497A

Sequence 11, Application US/09839497A

Sequence 11, Application US/09839497A

Sequence 11, Application

APPLICANT: Pallas, David C.

APPLICANT: Pallas, David C.

TITLE OF INVENTION: Recombinant DNA Molecules and Methods

TITLE OF INVENTION: Recombinant DNA Molecules and Methods

TITLE OF INVENTION: Recombinant DNA Molecules and Methods

CURRENT APPLICATION NUMBER: US/09/839,497A

CURRENT FILING DATE: 1998-04-17

PRIOR APPLICATION NUMBER: 09/293,322

PRIOR APPLICATION NUMBER: 09/293,322

PRIOR APPLICATION NUMBER: 09/293,322

PRIOR SEQ ID NOS: 17

SOFTWARE PRECEDED ON SEQ ID NOS: 17

NUMBER OF SEQ ID NOS: 17
                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-293-322C-11

Sequence 11, Application US/0929332C

Sequence 11, Application US/0929332C

Sequence 11, Application US/0929332C

GENERAL INO-6232110

APPLICANT: Pallas, David C

APPLICANT: Pallas, David C

APPLICANT: Pallas, David C

APPLICANT: Pallas, David C

TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylesterase, FILE REFERENCE: 105-97

TITLE OF INVENTION: Recombinant DNA Molecules and Methods

TITLE OF INVENTION ENOUGHER: US/09/293,322C

CURRENT APPLICATION NUMBER: US 60/082,202

PRIOR FILING DATE: 1998-04-17

NUMBER OF SEQ ID NOS: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                 Score 39; DB 4; Length 19;
Pred. No. 18;
2; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 32; DB 3; Length 9;
Pred. No. 4.1e+05;
2; Mismatches 0; Indels
CURRENT APPLICATION NUMBER: US/09/121,211
CURRENT FILING DATE: 1998-07-23
BARLIER APPLICATION NUMBER: U.S. 60/053,549
EARLIER FILING DATE: 1997-07-23
SOFTWARE: SEQ ID NOS: 22
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.8%;
71.4%;
                                                                                                                                                                                                                                                                                 Query Match 33.9%;
Best Local Similarity 43.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                          2 FFNHHKVMLLGHSDIY 17
                                                                                                                                                                                                                                                                                                                                                                                                                      1 FFGTHETAFLGPKDIF 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5; Conservative
                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 VMLLGHS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :||:|||
1 IMLIGHS 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-293-322C-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Pe
SEQ ID NO 11
                                                                                                                                                                                                                                      US-09-121-211-4
                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
```

SEQ ID NO 11

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Bolen, Paul L
APPLICANT: Cinak, Paul L
APPLICANT: Cinak, Paul L
APPLICANT: Cinak, Paul L
APPLICANT: Cinak, Paul L
APPLICANT: Scharpf Ur., Lewis G.
TITLE OF INVENTION: Purified Recombinant Kid Pregastric Esterase, and
TITLE OF INVENTION: Processes for its Production and Use
TITLE OF INVENTION: Processes for its Production and Use
CURRENT APPLICATION UNMBER: US/09/186,489
CURRENT APPLICATION UNMBER: 1998-11-05
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE: OTHER INFORMATION: Description of Artificial Sequence: A modified OTHER INFORMATION: polyHis-enterokinase polypeptide sequence
                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Shinohara, Toshimichi
APPLICANT: Shinohara, Toshimichi
APPLICANT: Shinohara, Toshimichi
APPLICANT: Shinohara, Toshimichi
APPLICANT: Chylack, Leo T.
TITLE OF INVENTION: Lens Epithelial Cell Derived Growth
TITLE OF INVENTION: Pactor
FILE REFERENCE: BO801/7116
CURRENT APPLICATION NUMBER: US/09/121,211
CURRENT APPLICATION NUMBER: U.S. 60/053,549
EARLIER APPLICATION NUMBER: U.S. 60/053,549
EARLIER FILING DATE: 1997-07-23
NUMBER OF SEQ ID NOS: 22
SEQ ID NO 10
EENGTHER: EASTEREQ for Windows Version 3.0
EENGTHER: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 32; DB 4; Length 15;
Pred. No. 1.5e+02;
1; Mismatches 7; Indels
                                                                         0; Indels
                       Score 32; DB 4; I
Pred. No. 4.1e+05;
                                                                      2; Mismatches
                                                                                                                                                                                                                                                                       US-09-121-211-10
; Sequence 10, Application US/09121211
; Patent No. 6750052
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-186-489-6; Sequence 6, Application US/09186489; Patent No. 6375947; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                       27.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 42.9%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 FFNHHKVMLLGHSD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             || |: || |
2 FFGTHETAFLGPKD 15
Query Match
Best Local Similarity 71.4

Local Similarity 71.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo Sapiens
                                                                                                                        8 VMLLGHS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-186-489-6
```

ö

8

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 12, Application US/08543020
; Patent NO. 5854307
; GENERAL INFORMATION:
APPLICANT: Urry, Dan W.
APPLICANT: McPherson, David T.
APPLICANT: McMerson & Simple Method for the Purification of TITLE OF INVENTION: a Bioelastic Polymer
; UNDERS OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 2; Length 20;
Pred. No. 3e+02;
3; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/543,020
FILING DATE: 13-0CT-1995
CLASSIFICATION: 530
ATTONREY/AGENT INFORMATION:
NAME: Hughes, Melya J.
REGISTRATION NUMBER: 38,696
REFRENCE/DOCKET NUMBER: BERL-016/01US
TELECOMMUNICATION INFORMATION:
TELEPRAK: 415 853 5070
TELEPRAK: 415 853 6070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                SG19171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-293-1404
TELEFAX: 202-872-0493
TELEFX: 440 069 AIS UI
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27.0%;
                                                                                                                                                                                                                                                                                                                                                                                                         27.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Floppy disk
                                REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                   20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: 380816COOLEYPA
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 amino acida
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 HFFNHHKVMLLG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                нининнетохме 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: US
ZIP: 94306-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12 GHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 GLYDIYADD 11
                                                                                                                                                                                                                                                                                 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ANTI-SENSE: NO
US-08-543-020-12
                                                                                                                                                                                                                                                                                                                                           US-07-678-974D-60
                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-543-020-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: BOLOMA, Paul L.
APPLICANT: Cihak, Paul, L.
APPLICANT: Scharpf Jr., Lewis G.
TITLE OF INVENTION: Recombinant Kid Pregastric Esterase and Methods for Its TITLE OF INVENTION: Production and Use FILE REFERENCE: IFF-0009
CURRENT APPLICATION NUMBER: US/10/043,665B
CURRENT FILING DATE: 2002-09-24
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENA
METHOD FOR DETECTION OF HUMAN PAPILLOMAVIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence: A modified OTHER INFORMATION: polyHis-enterokinase polypeptide sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2,
                             Length 20;
                      27.8%; Score 32; DB 3; Length 20; ilarity 40.0%; Pred. No. 2.1e+02; Conservative 1; Mismatches 9; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 27.8%; Score 32; DB 4; Length 20; Best Local Similarity 40.0%; Pred. No. 2.1e+02; Matches 8; Conservative 1; Mismatches 9; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-3186
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/678,974D
FILING BATE: 25-JUN-1991
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 60, Application US/07678974D
; Sequence 60, Application US/07678974D
; Patent No. 5629146;
; GENERAL INFORMATION:
; APPLICANT: DILLNER, JOAKIM
; TITLE OF INVENTION: METHOD FOR DETECTION OF
; TITLE OF INVENTION: METHOD FOR DETECTION OF
; TITLE OF INVENTION: METHOD FOR STECTION OF
; TITLE OF INVENTION:
CORRESPONDENCES: 67
; CORRESPONDENCES: 67
                                                                                                                                                                                                                                                                                                                                                                     Sequence 6, Application US/10043665B Patent No. 6582948
                                                                                                                                                     1 HFFNHHKVMLLGHSDIYSDD 20
                                                                                                                                                                                            2 HHHHHHHSSGHID--DDD 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 HFFNHHKVMLLGHSDIYSDD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    НННННННЯЗСИТЬ--DDD 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTORNEY/AGENT INFORMATION:
NAME: AISENBERG, Irwin M.
REGISTRATION NUMBER: 19,007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-07-678-974D-60
                                                                                                                                                                                                                                                                                                                                              US-10-043-665B-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-043-665B-6
```

유 ò

Search completed: June 20, 2005, 14:22:20 Job time : 16.15 secs

us-09-202-464-22.rai

Н

```
Sequence 56, Appl
Sequence 55, Appl
Sequence 21, Appl
Sequence 57, Appl
Sequence 158, App
Sequence 158, App
Sequence 218, App
Sequence 218, App
Sequence 218, App
Sequence 172, App
Sequence 172, App
                                                               June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
                                                                                                                                                                                                                                                                                                                    332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-354-240-56
US-09-739-466C-21
US-09-354-240-9
US-10-354-240-9
US-10-354-240-158
US-10-354-240-158
US-10-354-240-18
US-10-254-240-18
US-10-26-218
US-10-26-218
US-10-26-218
US-10-212-679-319
                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                             1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUMMARIES
                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                            protein search, using sw model
                                                                                                                        103
1 LGHSDIYSDDKSMKVTVAFN 20
                                                                                                                                                          BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       £
                                                                                                              US-09-202-464-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
Match Length DB
                                                                                                                                                                                                                                         seg length: 0
seg length: 20
                                                                                                              Title:
Perfect score:
                                                                                                                                                            Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
                                            ı
                                                                                                                                                                                                                                         Minimum DB
Maximum DB
                                            OM protein
                                                                                                                                       Seguence:
                                                                                                                                                                                             Searched:
                                                                                                                                                                                                                                                                                                                         Database
                                                                   Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Result
```

Sequence 400, App Sequence 399, App Sequence 400, App Sequence 39, Appl Sequence 233, Appl Sequence 54, Appl Sequence 4, Appl Sequence 4, Appl Sequence 65, Appl Sequence 65, Appl Sequence 1, Appl Sequence 2, Appl Sequence 45, Appl Sequence 42, Appl		Agent for Treating Allergic
4	US-10-901-897-22 US-10-901-897-22 US-10-902-867-5 US-10-092-367-137 US-10-092-367-153 US-10-092-367-153 US-10-10-210-23-98 US-10-10-13-34-34-2 US-10-10-23-118 US-10-10-23-118 US-10-10-23-118 US-10-10-23-118 US-10-10-33-31 US-10-10-33-31 US-09-96-955A-35 US-09-96-953A-31 US-10-092-367-169 US-10-092-367-169	ALIGNMENTS 10354240 -Based Immunotherapeutic Agent US/10/354,240 01-29 CT/JP97/00740 10 S 09/142,524 09 3.1 nica nica
0004444888800000	100 144 144 144 144 144 144 144 144 144	US/ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	777777888888888888	RESULT 1 US-10-354-240-56 Sequence 56, Application US/; Publication No. US2003018584 GENERAL INFORMATION: APPLICANT: Sone, Toshio APPLICANT: Nume, Akinori APPLICANT: Name, Akinori APPLICANT: Nume, Akinori APPLICANT: Name, Akinori APPLICANT: Name, Akinori APPLICANT: Name, Akinori APPLICANT: Name, Akinori APPLICANT: Nume, 100, Nohuke FILE OF INVENTION: Peptide FILE FILE OF INVENTION: Peptide FILE REFERENCE: SP0-103JJ CURRENT FILING DATE: 1999-09- PRIOR FILING DATE: 1999-09- PRIOR FILING DATE: 1999-09- PRIOR FILING DATE: 1999-09- PRIOR FILING DATE: 1990-09- PRIOR FILING DATE: 1990-09
	8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	SULT 1 10-354-240-56 Sequence 56, Applic GENERAL INFORMATION APPLICANT: SOME, TAPPLICANT: Name, APPLICANT: Name, APPLICANT: Dalith APPLICANT: Name, Name
11111111111111111111111111111111		RESULA Sequence Sequence APP APP TITI PRI PRI TYP TYP TYP TYP TYP TYP TYP TY

Disea

ö

Gapa

ö

Query Match 68.9%; Score 71; DB 14; Length 15; Best Local Similarity 100.0%; Pred. No. 0.00012; Matches 14; Conservative 0; Mismatches 0; Indels

us-09-202-464-23.rapb

```
JOHNEZOL INFOGRANTIAN CONTROLL OF A CONTROLL OF A CONTROLL OF CONTROL OF C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Lwama, Akiko
APPLICANT: Wama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REBERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT PILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09
NUMBER OF SEQ ID NOS: 174
SEQ ID NOS: 174
SEQ ID NO ST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 46.6%; Score 48; DB 14; Length 15; Best Local Similarity 100.0%; Pred. No. 0.68; Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           46.6%; Score 48; DB 14; Length 15; 100.0%; Pred. No. 0.68; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; LOCATION: (1). [(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row
US-10-354-240-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-354-240-57
; Sequence 57, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
                          US-10-354-240-9
. Sequence 9, Application US/10354240
. Publication No. US20030185847A1
. GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Cryptomeria japonica
US-10-354-240-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 46.6
Best Local Similarity 100.
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KSMKVTVAFN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KSMKVTVAFN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 KSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 KSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103D1
CURRENT APPLICATION WUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JD97/00740
PRIOR FILING DATE: 1998-09
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 55
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21, Application US/09739466C

Publication No. US20050107585A1

GENERAL INFORMATION:
APPLICANT: MIRRAY, JOSEPH S

APPLICANT: SIAHAAN, TERUNA J

APPLICANT: SIAHAAN, TERUNA J

APPLICANT: HJ, YOKGBO

TITLE OF INVENTION: SIGNAL-1/SIGNAL-2 BIFUNCTIONAL PEPTIDE INHIBITORS

FILE REFERENCE: 23902-08805

CURRENT APPLICATION NUMBER: US/09/739,466C

CURRENT PILING DATE: 2000-12-18

NUMBER OF SEQ ID NOS: 46

SOFTWARE: Patentin Ver. 3.2

SOFTWARE: Patentin Ver. 3.2

TYPE: PRT

TYPE: PRT

TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              67.0%; Score 69; DB 14; Length 15; 86.7%; Pred. No. 0.00026; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
46.6%; Score 48; DB 11; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 41
US-10-354-240-55
                                                                                                                                                                                                                           ; Sequence 55, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION: APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , ORGANISM: Cryptomeria japonica
US-09-739-466C-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 LGHSDIYSDDKSMKV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 LGHDDAYSDDKSMKV 15
7 YSDDKSMKVTVAFN 20
                                 2 YSDDKSMKVTVAFN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 86.7*
                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 KSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KSMKVTVAFN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-09-739-466C-21
                                                                                                                                                                                         US-10-354-240-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
à
                                                         셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
```

ö

```
1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š
                                                                                                                                                                                                                               APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond L.
APPLICANT: Houghton, Raymond L.
APPLICANT: Moneill, Paul R.
APPLICANT: Homer, Mary
APPLICANT: Homer, Mary
APPLICANT: Secriet, Heather
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION
FILE REFERENCE: 21011.426C11
CURRENT APPLICATION NUMBER: US/09/853,079
CURRENT FILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 224
SOFTWARE: FRAELSEQ for Mindows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31.6%; Score 32.5; DB 15; Length 20; 40.0%; Pred. No. 3.1e+02; tive 3; Mismatches 4; Indels 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Reed, Seven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond L.
APPLICANT: Sleach, Raymond L.
APPLICANT: Sleach, Paul R.
APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: McNeill, Patricia D.
APPLICANT: APPLICANT: COMPOUNDS AND METHODS FOR THE DIAGNOSIS TITLE OF INVENTION: AND TREATMENT OF B. MICROTI INFECTION FILE REPERENCE: 210121.426C12
CURRENT APPLICATION NUMBER: US/10/294,443
CURRENT APPLICATION NUMBER: US/10/294,443
SOFTWARE: FAELSEQ for Windows Version 3.0
SSEQ ID NOS: 243
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IndelB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 32.5; DB 10;
Pred. No. 3.1e+02;
3; Mismatches 4;
                                                                                                                                                         ; Sequence 218, Application US/09853079; Publication No. US20030109689A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 218, Application US/10294443
Publication No. US20040023865A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 LGH-----SDIYSDDKSMKV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 LGHHSDMASDINDEEPSFKI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 LGH----SDIYSDDKSMKV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 LGHHSDMASDINDEEPSFKI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 40.0%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 40.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Babesia microti
US-09-853-079-218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Babesia microti
1 LGHSDIYSDD 10
                                          6 LGHDDAYSDD 15
                                                                                                                                        US-09-853-079-218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-294-443-218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
ò
                                                                                                                              APPLICANT: Sume, Akinori
APPLICANT: Sume, Akinori
APPLICANT: Editki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILLE SPERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin Version 3.1
SEQ ID NOS: 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Mara, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
FILE REPERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
RIOR APPLICATION NUMBER: DCT/JD97/00740
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              44.7%; Score 46; DB 14; Length 15; 80.0%; Pred. No. 1.4; 2; Indels :ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 14; Length 15; 0.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 40
US-10-354-240-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         46.6%; Score 48;
100.0%; Pred. No.
tive 0; Mismato
                                          Sequence 158, Application US/10354240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COCATION: (1)...(15)
COTHER INFORMATION: Figure 7, Row a
US-10-354-240-158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 54, Application US/10354240
; Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 54
EBNOTH: 15
                                                                Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 KSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KSMKVTVAFN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
```

ò

```
Sequence 400, Application US/10079137B; Publication No. US20040073016A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 HSDIYSDDKSM 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 HSDIYSDDKSM 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ||::|| |
3 HYAIYNEDKLM 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HYAIYNEDKLM 18
                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-10-212-679-400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 14
US-10-079-137B-400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-079-137B-399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-079-137B-399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
            Sequence 172, Application US/10084813
| Publication No. US20030068615A1 |
| GENERAL INFORMATION: |
| APPLICANT: SAXINGER, CARL |
| TITLE OF INVENTION: POLYPEPTIDES THAT BIND HIV GPL20 AND RELATED NUCLEIC |
| TITLE OF INVENTION: ACIDS, ANTIBODIES, COMPOSITIONS, AND METHODS OF USE |
| FILE REPERBNCE: 21895 |
| CURRENT APPLICATION NUMBER: US/10/084,813 |
| CURRENT FILING DATE: 2000-08-25 |
| PRIOR APPLICATION NUMBER: PCT/US00/23505 |
| PRIOR APPLICATION NUMBER: US 60/151,270 |
| PRIOR FILING DATE: 1999-08-27 |
| NUMBER OF SEQ ID NOS: 1242 |
| SOFFWARE: Patentin version 3.1 |
| LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:

COTHER INFORMATION: Description of Artificial Sequence: binding peptide
US-10-084-813-172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-212-679-399

Sequence 399, Application US/10212679

Publication No. US20030125536A1

GENERAL INFORMATION:

APPLICANT: Fanger, Gary

APPLICANT: Dillon, Davin

APPLICANT: Foy, Teresa

APPLICANT: Poy, Teresa

APPLICANT: Poy, Teresa

APPLICANT: Poy Teresa

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER

FILE REFERENCE: 210121-419C14

CURRENT APPLICATION NUMBER: US/10/212,679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31.1%; Score 32; DB 14; Length 20; 54.5%; Pred. No. 3.8e+02; ive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
31.1%; Score 32; DB 14; Length 18
Best Local Similarity 41.2%; Pred. No. 3.3e+02;
Matches 7; Conservative 3; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 428
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 399
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 12
8-10-212-579-400
; Sequence 400, Application US/10212679
; Publication No. US20030125536A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 LSHSKGHOKRKALKTTV 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 LGHSDIYSDDKSMKVTV 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 31.1
Best Local Similarity 54.5
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 HSDIYSDDKSM 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ||::|| |
8 HYAIYNEDKLM 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
US-10-084-813-172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-212-679-399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Misher, Curia.
APPLICANT: Misher, Curia.
APPLICANT: Dillon, Davin C.
APPLICANT: Reter, Marc W.
APPLICANT: Reter, Marc W.
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Harlocker, Susan L.
APPLICANT: Day, Craig H.
APPLICANT: Li, Samuel X.
APPLICANT: Li, Samuel X.
APPLICANT: Day, Craig H.
APPLICANT: Li, Samuel X.
APPLICANT: Day, Craig H.
APPLICANT: Day, Craig H.
APPLICANT: APPLICANT: AND DIAGNOSIS OF BREAST CANCER
TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
CURRENT FILING DATE: 2002-02-20
CURRENT FILING DATE: 2002-02-20
CURRENT FILING DATE: 2002-02-20
CURRENT FILING DATE: ASSENTING ASSETT ASSETT
APPLICANT: Farger, Gary
APPLICANT: Hirst, Shannon Kathleen
APPLICANT: Hirst, Shannon Kathleen
APPLICANT: Dillon, Davin
APPLICANT: Doillon, Davin
APPLICANT: Poy, Teresa
APPLICANT: Persening, David
APPLICANT: Persening, David
APPLICANT: Presening, David
APPLICANT: Ralos, Michael
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: ADD DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 21012.49214
CURRENT APPLICATION NUMBER: US/10/212,679
CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 428
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31.1%; Score 32; DB 15; Length 20; 54.5%; Pred. No. 3.8e+02; tive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 32; DB 14; Length 20;
Pred. No. 3.8e+02;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 399, Application US/10079137B Publication No. US20040073016A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Frudakis, Tony N. APPLICANT: Reed, Steven G. APPLICANT: Smith, John M. APPLICANT: Misher, Lynda E. APPLICANT: Dillon, Davin C. APPLICANT: Retter, Marc W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 31.1
Best Local Similarity 54.5
Matches 6; Conservative
```

```
RESULT 15
US-10-033-741-38
US-10-033-741-38
Sequence 38, Application US/10033741
Sequence 38, Application US/10033741
Sequence 38, Application US/20030049640A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of Vasc TITLE OF INVENTION: Response
TITLE OF INVENTION: Response
TITLE OF INVENTION: Response
CURRENT PAPLICATION UNDER: US/10/033,741
CURRENT FILING DATE: 2001-12-27
NUMBER OF SEQ ID NOS: 80
SOCTHARE: Patentin version 3.0
SEQ ID NO 38
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                °,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
APPLICANT: Read, Steven G.
APPLICANT: Smith, John M.
APPLICANT: Smith, John M.
APPLICANT: Misher, Lynda E.
APPLICANT: Misher, Lynda E.
APPLICANT: Mang, Aijun
APPLICANT: Retter, Marx W.
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Samuel X.
APPLICANT: Li, Samuel X.
APPLICANT: Li, Samuel X.
APPLICANT: Li, Samuel X.
APPLICANT: Day, Craig H.
APPLICANT: Di, Samuel X.
APPLICANT: Li, Samuel X.
APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 29.1%; Score 30; DB 14; Length 14; Best Local Similarity 42.9%; Pred. No. 5.3e+02; Matches 6; Conservative 3; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 32; DB 15; Length 20;
Pred. No. 3.8e+02;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Search completed: June 20, 2005, 15:55:16 Job time : 54.45 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31.1%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 LGHSDIYSDDKSMK 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31.1
Best Local Similarity 54.5
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 HYAIYNEDKLM 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 HSDIYSDDKSM 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-033-741-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
```

THIS PAGE BLANK (USPTO)

```
JS-08-467-023-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46, Appl
53, Appl
55, Appl
55, Appl
246, App
246, App
241, App
251, App
261, App
261
                                                                                                                           June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1: /cgn2_6/ptcdata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptcdata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptcdata/1/iaa/6A_COMB.pep:*
5: /cgn2_6/ptcdata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-467-023-250
                                                                                                                                                                                                                                                                                                                                                                                       513545 seqs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                     protein search, using sw model
                                                                                                                                                                                                                   US-09-202-464-23
103
1 LGHSDIYSDDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                               BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Issued Patents AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                               Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB e
Maximum DB e
                                                                                     OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Database :
                                                                                                                                                                                                                                                                         Sequence:
                                                                                                                                  Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ņ.
```

```
28 48 46.6 16 3 US-08-467-023-254 Sequence 254, App 29 48 46.6 18 3 US-08-467-023-251 Sequence 251, App 31 US-08-467-023-252 Sequence 251, App 32 US-08-467-023-252 Sequence 252, App 32 US-08-467-023-246 Sequence 126, App 33 US-08-467-023-246 Sequence 236, App 34 46.6 19 3 US-08-467-023-246 Sequence 236, App 36 44.7 15 4 05-08-467-023-45 Sequence 47, Appl 36 44.7 20 3 US-08-467-023-45 Sequence 47, Appl 36 43 41.7 16 3 US-08-467-023-49 Sequence 45, Appl 37 31 30.1 20 1 US-08-945-168-66 Sequence 60, Appl 39 30 29.1 15 4 US-08-70-78-974D-60 Sequence 61, Appl 41 30 29.1 15 4 US-08-73-319 Sequence 19, Appl 42 30 29.1 15 4 US-08-73-319 Sequence 19, Appl 42 30 29.1 15 4 US-08-72-96-4 Sequence 19, Appl 42 28.2 15 2 US-08-530-524A-19 Sequence 19, Appl 44 29 28.2 15 2 US-08-530-524A-19 Sequence 19, Appl 44 45 29 28.2 15 2 US-08-530-524A-19 Sequence 19, Appl
```

ALIGNMENTS

```
US-08-467-023-46

US-08-467-023-46

US-08-467-023-46

EAUTION TO 609036

GENERAL INFORMATION

MEDICANT GAIFECH, Irwin J.;

APPLICANT BONG, Julian F.;

APPLICANT BONG, Julian F.;

APPLICANT ROW, Wel-Chang;

APPLICANT RALEY, MARK A.;

APPLICANT: EALEY, MARK A.;

APPLICANT: EALEY, MARK A.;

APPLICANT: PANENTION: Japanese Cedar Pollen

NUMBERS OF SEQUENCES: 261

CORRESPONDENCES: 261

CORRESPONDENCE ADDRESS:

ADDRESSES: Immulogic Pharmaceutical Corporation, Inc.

STREET: MA

COUNTY: Waltham

STREET: MA

CONFINENT HE PC COMPARIBLE FORM:

MEDIUM TYPE: RIOPPY disk

COMPUTER READBALE FORM:

MEDIUM TYPE: RIOPPY disk

COMPUTER READBALE FORM:

MEDIUM TYPE: RIOPPY disk

COMPUTER IND C COMPARIBLE

COMPUTER IND C COMPARIBLE

COMPUTER IND C COMPARIBLE

COMPUTER RADBALE FORM:

MEDIUM TYPE: RIOPPY disk

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/350,225

FILING DATE: DATE-MATION:

APPLICATION NUMBER: 08/350,225

FILING DATE: DATE-MATION:

MAME: Jame E. Remillard

REGISTRATION NUMBER: 08/350,225

FILIEDPONDER: (617) 227-7400

FILEPRAN: (617) 227-740

FILERAN: FILERAN: FILERAN INCOMPANIER INCOMPANIER INCOMPANIER INCOMPANIER INCOMPANIER INCOMPANIER INCO
```

```
US-09-142-524D-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Kuo, Mei-Chang,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Brauer, Andrew;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCES. 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match 73.8%; Score 76; DB 3; Length 20; Best Local Similarity 93.8%; Pred. No. 2.5e-06; Matches 15; Conservative 0; Mismatches 1; Indels
                                            91.3%; Score 94; DB 3; Length 20; 90.0%; Pred. No. 2.2e-09; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 0215 4

ZIP: 0215 4

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC COMPATIBLE
COMPUTER: DECENTER: PC-DOS/MS-DOS
SOFTWARE: PATENTIN DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION NATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY PATENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 085
TELECOMMUNICATION NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-7400
TELEPAX: (617) 227-7401
TELEPAX: (617) 227-7401
TELEPAX: (617) 227-75941
INFORMATION FOR SEQ ID NO: 234:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acide
TVDE: amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc
STREET: 610 Lincoln St
                                                                                                                                                                                                                                                                                                             Sequence 234, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                           1 LGHSDIYSDDKSMKVTVAFN 20
                                                                                                                                                                            1 LGHDDAYSDDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5 DIYSDDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DAYSDDKSMKVTVAFN 17
                                                                   Best Local Similarity 90.0 Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ğ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-467-023-234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Wa. STATE: M. COUNTRY:
US-08-467-023-46
                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                           셤
```

RESULT 3

```
Sequence 56, Application US/09142524D

Sequence 56, Application US/09142524D

Sequence 56, Application US/09142524D

Batent No. 6719976

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Sone, Toshio

APPLICANT: Mama, Akino

APPLICANT: Mino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION NUMBER: US/09/142,524D

CURRENT APPLICATION NUMBER: D998-09-09

FRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

SEQ ID NO 56

LENTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DEBUGGAT: Some, Toshio
APPLICANT: Some, Toshio
APPLICANT: Some, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Akiko
APPLICANT: Ivama, Akiko
APPLICANT: Kino, Kohsuke
TITLE REPERBUTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea,
CURRENT FILING DATE: 1990-103
CURRENT FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 55
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     67.0%; Score 69; DB 4; Length 15; 86.7%; Pred. No. 2.8e-05; Live 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 68.9%; Score 71; DB 4; Length 15; Best Local Similarity 100.0%; Pred. No. 1.3e-05; Matches 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1) ...(15)
COTHER INPORMATION: Cryjl peptide, Figure 1, Row 42
US-09-142-524D-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; LOCATION: (1).7(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 41
US-09-142-524D-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 55, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 LGHDDAYSDDKSMKV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7 YSDDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 YSDDKSMKVTVAFN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 86.74
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 246, Application US/08467023
; Sequence 246, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bollock, Joanne;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Ruo, Mei-Chang;
APPLICANT: Brauer, Andrew;
APPLICANT: Allergenic Proteins And Peptides From TITLE OF INVENTION: Allergenic Proteins And Peptides From STRESSEE: Immulogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Maltham
STATE: MA
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 58.3%; Score 60; DB 3; Length 19; Best Local Similarity 100.0%; Pred. No. 0.0013; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                             COMPUTER READBLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 08/350,225
REFERENCE/DOCKET NUMBER: 03,072
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-740
TELEFAX: (617) 227-740
TELEPAX: (617) 227-740
TELEPAX: (17) 227-740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Waltham
                                                                                                                                                                                                                                                                                    02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-467-023-246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                          APPLICANT: Kuo, Mel-Cnang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew H.;
APPLICANT: Brauer, Andrew H.;
APPLICANT: Brauer, Andrew H.;
APPLICANT: Brauer, Andrew H.;
APPLICANT: Brown Japanese Cedar Pollen
TITLE OF INVENTION: Albergenic Proteins And Peptides From
TITLE OF INVENTION: Albergenic Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSES: Immulogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
COUNTY: USA
TITLE OF INVENTION ST
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER READABLE FORM:
MAN
COMPUTER PREADABLE FORM:
MEDIUM TYPE: PLOPPY disk
COMPUTER PAPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CURSSIFICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
RESERRICE/DOCKET NUMBER: 02-7410
TELEPAN: (617) 227-740
TELEPAN: (617) 227-75941
INFORMATION FOR SEQ ID NO: 240:
SEQUENCE CHARACTERISTICS:
LENGTH: Amin acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 60; DB 3; I
Pred. No. 0.0011;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 239, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
                       Sequence 240, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeet, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian R.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    58.3%; S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 58.3
Best Local Similarity 100.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DDKSMKVTVAFN 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
  US-08-467-023-240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-467-023-240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 6
US-08-467-023-239
                                                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
```

a

ô

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Garman, Richard D.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Growers Exleving A.
APPLICANT: Conversion A.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 56; DB 3; Length 17; Pred. No. 0.0053; 1; Mismatches 0; Indels
                                          NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REPERBNCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-7400
INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acid
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-541
INFORMATION FOR SEQ ID NO: 242:
SEQUENCE CHARATTER/STICS:
LENGTH: 17 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/08/467,023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-467-023-242
; Sequence 242, Application US/08467023
; Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                54.4%;
                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 EDKSMKVTVAFN 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-467-023-241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Kuo, Mei-Chang,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Alpanese Cedar Pollen
NUMBER OF SEQUENCE: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St.
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 56; DB 3; Length 16;
Pred. No. 0.0049;
1; Mismatches 0; Indels
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM:
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/COCKET NUMBER: 30.85.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-740
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO. 246:
SEQUENCE CHARACTER/STICS:
LENGTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Parentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION 1424
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATE: December 6, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 241, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 54.4%;
Best Local Similarity 91.7%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-023-246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-467-023-241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
```

```
Sequence 227, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 121, Application US/08467023; Patent No. 6090386; GENERAL INFORMATION: APPLICANT: Griffeth, Irwin J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Griffeth, Irwin J.,
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 227
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 91.7'
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 DEKSMKVTVAFN 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ₹
                                                              JS-08-467-023-227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-467-023-227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 12.
US-08-467-023-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                              ö
                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Markand, Richard D;
APPLICANT: Weung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPL
                                                                                                                                                                                              ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ..
                                                                                                                         Score 56; DB 3; Length 17;
Pred. No. 0.0053;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          54.4%; Score 56; DB 3; Length 18; 91.7%; Pred. No. 0.0056; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STTE: MA
COUNTRY: USA
COUNTRY: USA
ZIP: 0.2154
ZIP: 0.2154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFTCATION: 424
PRIOR APPLICATION MATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REPERENCE/DOCKET NUMBER: 327-5941
                                                                                                                                54.4%;
91.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                         Query Match
Best Local Similarity 91.7
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 18 amino acids
                                                                                                                                                                                                                                                                                           2 EDKSMKVTVAFN 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 DEKSMKVTVAFN 12
                                                                                                                                                                                                                                                          9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                    internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 11, Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
; MOLECULE TYPE:
; FRAGMENT TYPE:
US-08-467-023-242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 10
                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                     셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bollock, Joanne;
APPLICANT: Bollock, Joanne;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Exung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Allergenic Proteins And Peptides From TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
STREET: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Date of the compatible
SOFTWARE: PatentIN Release #1.0, Version #1.25
SOFTWARE: PatentIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FLING DATE: Unne 6, 1995
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION: INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     54.4%; Score 56; DB 3;
91.7%; Pred. No. 0.006;
tive 1; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Yeung, Siu-mei H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Boliot, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Karman, Richard D;
APPLICANT: Kuo, Mai-Chang;
APPLICANT: Kuo, Mai-Chang;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Dowers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSE: ImmuLogic Pharmacourtical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50.5%; Score 52; DB 3; Length 19; 83.3%; Pred. No. 0.029;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 610 Lincoln St CITY: Waltham STATE: MA
                                                                                                             OPERATING SYSTEM: PC-DOS/NN-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillar, 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillar, 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION NUMBER: 38,402
REFERENCE/DOCKET NUMBER: 38,503
TELECOMMUNICATION INFORMATION:
TELEPRIONE: (617) 227-7940
TELEPRIONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 122:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER FRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Mismatches
                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 230, Application US/08467023
; Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 83.33
Watches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |:|||||| |||
1 DEKSMKVTAAFN 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 14
US-08-467-023-230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-467-023-122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Pollock, Joanne;
APPLICANT: Bollock, Joanne;
APPLICANT: Bond, Julian F;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A;
APPLICANT: Exley, Mark A;
APPLICANT: Exley, Mark A;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STRRET: 610 Lincoln St
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Japanese Cedar Pollen
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 52; DB 3; Length 19;
Pred, No. 0.029;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIPICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INPORMATION:
NAME: Jane E. Remilland
REGISTRATION NUMBER: 38,472
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION OF SEQ ID NO: 121:
SEQUENCE CHARACTER/STICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 122, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 83.3.
Best Local 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 DEKSMKATVAFN 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                             USA
                                                                                                                                                                                                                        CITY: Walthe STATE: MA COUNTRY: US/ ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 13
US-08-467-023-122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-467-023-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: MA
```

ò

TOPOLOGY: linear

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Wow, Mei-Chang,
APPLICANT: Weng, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St.
CITY: Waltham
STATE: MA
CUNTRY: USA
ZIP: 02154
COMPUTER: IBM PC compatible
COMPUTER: Jane 6, 1995
FILING DATE: December 6, 1994
FILING DATE: DECEMBER: 38, 322
FILING DATE: CANTANTON INFORMATION:
COMPUTER: APPLICATION INFORMATION:
COMPUTER: SEQUENCE CHARACTERISTICS:
CENTRAL APPLICATION
COMPUTER: AMINO ACIDS
COMPUTER: AMINO ACIDS
COMPUTER: APPLICATION
COMPUTER: AMINO ACIDS
COMPU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           50.5%; Score 52; DB 3; Length 20; 83.3%; Pred. No. 0.031; tive 2; Mismatches 0; Indels
                                                                                     NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMULICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPA: (617) 227-5941
INFORMATION FOR SEQ ID NO: 230:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 mming acids
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 83.3
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9 DDKSMKVTVAFN 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-467-023-230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 15
US-08-467-023-257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

```
MOLECULE TYPE: peptide

y FRAGMENT TYPE: internal
US-08-467-023-257

Query Match
Best Local Similarity 83.3%; Score 50; DB 3; Length 17;

Ratches 10; Conservative 2; Mismatches 0; Indels 0; Gaps

Qy 9 DDKSMKVTVAFN 20

::|||||||||||||||
Db 1 NNKSMKVTVAFN 12

Search completed: June 20, 2005, 14:22:21
Job time: 17.15 sece
```

THIS PAGE BLANK (USPTO)

```
US-09-739-466C-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-739-466C-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21, Appl
Sequence 9, Appli
Sequence 57, Appl
Sequence 158, App
Sequence 59, Appl
Sequence 56, Appl
Sequence 73, Appl
Sequence 73, Appl
Sequence 73, Appl
                                                                                                                         June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 73, 1
Sequence 73, 1
Sequence 73, 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB_pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB_pep:*

4: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB_pep:*

5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB_pep:*

6: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB_pep:*

7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB_pep:*

8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB_pep:*

12: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB_pep:*

13: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB_pep:*

14: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB_pep:*

15: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

18: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

19: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

12: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

13: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-739-466C-21
US-10-354-240-9
US-10-354-240-57
US-10-354-240-58
US-10-354-240-59
US-10-354-240-59
US-10-354-240-59
US-10-079-167-73
US-10-653-624-73
US-10-633-745-73
                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                  1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                  - protein search, using sw model
                                                                                                                                                                                                              US-09-202-464-24
103
1 KSMKVTVAFNQFGPNAGQRM 20
                                                                                                                                                                                                                                                                                                   BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                    seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Scoring table:
                                                                                                                                                                                                                                      Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Minimum DB
Maximum DB
                                                                                                                                                                                                                                                             Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Result
```

```
Sequence 74, Appl Sequence 26, Appl Sequence 32, Appl Sequence 448, Appl Sequence 622, Appl Sequence 1288, Appl Sequence 8, Appl Sequence 9, Appl Sequence 13, Appl Sequence 13, Appl Sequence 170, Appl Sequence 170, Appl Sequence 170, Appl Sequence 171, Appl Sequence 170, Appl Sequence 171, Appl Sequence 18, Appl Sequence 29, Appl
                                            Sequence
6 US-10-833-744-73
6 US-10-686-943-73
US-10-686-943-73
US-10-730-454-32
US-10-730-454-32
US-10-730-454-32
US-10-23-064-448
US-10-23-064-448
US-10-23-657A-1288
US-09-76-8174-8
US-09-776-8174-8
US-09-776-8174-8
US-09-776-8174-8
US-09-776-817-8
US-10-384-451-8
US-10-39-441-37
US-10-886-773-171
US-09-826-752-19
US-09-841-37
US-09-841-38
US-10-30-441-38
US-10-30-441-38
```

ALIGNMENTS

```
Sequence 21, Application US/09739466C
Fublication No. US20050107585A1
GENERAL INFORMATION:
APPLICANT: MURRAY, JOSEPH 8
APPLICANT: SIAHAAN, TERUNA J
APPLICANT: SIAHAAN, TERUNA J
APPLICANT: HU, YONGBO
ITILE OF INVENTION: SIGNAL-1/SIGNAL-2 BIFUNCTIONAL PEPTIDE INHIBITORS
ITILE REFERENCE: 23902-08805
CURRENT PELLICANT: 23002-12-18
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PATENTING DATE: 2000-12-18
SEQ ID NO 21
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                       Length 15;
                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                   Score 78; DB 11; I
Pred. No. 2.1e-06;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                        75.7%; Scc...
100.0%; Pre
                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                             KSMKVTVAFNOFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
Matches 15; Conservative
```

ö

US-10-354-240-9
; Sequence 9, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

```
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohauke
TITLE OP INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR APPLICATION NUMBER: US 09/142,524
SPRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VS-10-1354-240-58

VS-10-1354-240-58

VS-10-1354-240-58

Sequence 58, Application US/10354240

Publication NO. US2030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Sone, Toshio

APPLICANT: Iwame, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Wino, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: VUMBER: US/10/354,240

CURRENT APPLICATION NUMBER: DCT/JD97/00740

PRIOR APPLICATION NUMBER: PCT/JD97/00740

PRIOR PILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SEQ ID NOS: 174

SEQ OF UNO 58

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        73.8%; Score 76; DB 14; Length 15; 93.3%; Pred. No. 4.7e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 78; DB 14; Length 10; Pred. No. 2.1e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 44
US-10-354-240-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 75.7%; Score 78; DB Best Local Similarity 100.0%; Pred. No. 2.1 Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; LOCATION: (1)...(15); OTHER INFORMATION: Figure 7, Row US-10-354-240-158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomería japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 KSMKVTVAFNOFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 TVAFNQFGPNAGQRM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 TVAFNOFGPNCGORM 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.8' Best Local Similarity 93.3 Matches 14; Conservative
                                                              Kume, Akinori
Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: MISC_FEATURE
GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Bairiki, Kazuo
APPLICANT: Bairiki, Kazuo
APPLICANT: Bairiki, Kazuo
APPLICANT: Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT PILING DATE: 1997-03-10
PRIOR PILING DATE: 2997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PATCH IN VERSION 3.1
SEQ ID NO 57
LENGTH: 15
                                                                                                                                                TITLE OF INVENTION Annual Annu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 43
US-10-354-240-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ore 78; DB 14; Lord No. 2.1e-06; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         75.7%; Score 78; DB 14; I 100.0%; Pred. No. 2.1e-06; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 78;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 158, Application US/10354240
; Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-354-240-57
; Sequence 57, Application US/10354240
; Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 75.7%; Soc
Best Local Similarity 100.0%; P:
Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Cryptomeria japonica
US-10-354-240-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 100.
Matches 15; Conservative
                                                          Dairiki, Kazuo
                                                                                             Iwama, Akiko
Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-354-240-158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
```

ò 셤

ö

ö

셤

1 KSMKVTVAFN 10

US-10-354-240-59

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Williadel, Andlew
APPLICANT: Gilbert, Sarah C.
APPLICANT: Gilbert, Sarah C.
APPLICANT: Schneider, Jorg
APPLICANT: Schneider, Jorg
APPLICANT: Blebanski, Magdalena
APPLICANT: Hanke, Tomas
APPLICANT: Banchard, Tom
TITLE OF INVENTION: Methods and Reagents for Vaccination
TITLE OF INVENTION: Mothods and Reagents for Vaccination
TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
FILE REFERENCE: 2907.1000-000
CURRENT APPLICATION NUMBER: US/10/653,624
CURRENT PILING DATE: 2003-09-02
PRIOR APPLICATION NUMBER: PCT/G898/01681
PRIOR APPLICATION NUMBER: PCT/G898/01681
PRIOR APPLICATION NUMBER: GB 97 11957.2
PRIOR APPLICATION NUMBER: GB 97 11957.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-079-167-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29.1%; Score 30; DB 14; Length 9; 62.5%; Pred. No. 1.6e+06; tive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                              APPLICANT: Hill, Adrian V.S.
APPLICANT: Hill, Adrian V.S.
APPLICANT: Gilbert, Sarah C.
APPLICANT: Gilbert, Sarah C.
APPLICANT: Gilbert, Sarah C.
APPLICANT: Schneider, Joerg
TITLE OF INVENTION: Vaccination Method
FILE REFERENCE: 2907.1000-001
CURRENT APPLICATION NUMBER: US/10/79,167
CURRENT FILING DATE: 1999-12-09
PRIOR PILING DATE: 1999-06-09
PRIOR PILING DATE: 1999-06-09
PRIOR PILING DATE: 1999-06-09
PRIOR PILING DATE: 1997-06-09
PRIOR PILING DATE: 1997-06-09
PRIOR PILING DATE: 2001-09-13
                                                                                                                                                                                                                  Sequence 73, Application US/10079167
Publication No. US20030138454A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 73, Application US/10653624
Publication No. US20040131594A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 29.1
Best Local Similarity 62.5
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 VTVAFNOF 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 INVAFNRF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Unknown
8 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Sone, Toshio
APPLICANT: Sone, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
ITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US,10/354,240
CURRENT FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
LENGTH: 15
                                                                                                                                                                                                 APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: SPO-103D1
CURRENT PAPLICATION NUMBER: US/10/354,240
CURRENT PILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOPTWARE: Patentin version 3.1
SEQ ID NO 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        49.5%; Score 51; DB 14; Length 15; 90.0%; Pred. No. 0.098;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        46.6%; Score 48; DB 14; Length 15; 100.0%; Pred. No. 0.32; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: (1).7(15)
CTHER INFORMATION: Cryjl peptide, Figure 1, Row 45
US-10-354-240-59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; LOCATION: (1). 7(15); OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42 US-10-354-240-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 56, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
                                                    Sequence 59, Application US/10354240
Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 10; Conservative
                                                                                                                                                                                    Kume, Akinori
Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 90.(
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11 OFGPNAGORM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OFGPNCGORM 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

셤 ò

ò 유

```
29.1%; Score 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 VTVAFNQF 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 : ||||:|
1 INVAFNRF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-833-745-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 73, Application US/10833439

Publication No. US20040175365A1

GENERAL INCORMATION:
APPLICANT: McMichael, Andrew
APPLICANT: McMichael, Andrew
APPLICANT: Mill, Adrian V.S.
APPLICANT: Gilbert, Sarah C.
APPLICANT: Schneider, Jonas
APPLICANT: Schneider, Jonas
APPLICANT: Schneider, Jonas
APPLICANT: Schneider, Jonas
APPLICANT: Blanch, Geoffrey L.
APPLICANT: Blanch, Geoffrey L.
APPLICANT: Blanch, Geoffrey L.
APPLICANT: Blanch Geoffrey L.
APPLICANT: Mith, Geoffrey L.
APPLICANT: Mith, Geoffrey L.
APPLICANT: Mith, Geoffrey L.
APPLICANT: MVENTION: Which Generate A CD8 T Cell Immune Response
FILE REFERENCE: 2907.100-000
CURRENT APPLICATION NUMBER: US/10/686,943
PRIOR FILING DATE: 2003-10-16
PRIOR FILING DATE: 1999-10-16
PRIOR FILING DATE: 1999-10-16
PRIOR FILING DATE: 1999-06-09
PRIOR FILING DATE: 1999-06-09
PRIOR FILING DATE: 1999-06-09
PRIOR FILING DATE: 1997-06-09
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ 1D NO 73
LENGTH: DATE: L.
ALENGTH: DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION; CTL Peptide Epitope of P. falciparum TRAP
US-10-833-439-73
                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP US-10-653-624-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 29.1%; Score 30; DB 16; Length 9; Best Local Similarity 62.5%; Pred. No. 1.6e+06; Matches 5; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                           Query Match 29.1%; Score 30; DB 16; Length 9; Best Local Similarity 62.5%; Pred. No. 1.6e+06; Matches 5; Conservative 2; Mismatches 1; Indels
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 73
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NS-10-833-745-73
Sequence 73, Application US/10833745
Fublication No. US20040191272A1
GENERAL INFORMATION:
APPLICANT: McMichael, Andrew
APPLICANT: Hill, Adrian V.S.
APPLICANT: Gilbert, Sarah C.
APPLICANT: Schneider, Jorg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 VTVAFNQF 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5 VTVAFNOF 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 INVAFNRF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : ||||:|
1 INVAFNRF 8
                                                                                                                                                                TYPE: PRT
ORGANISM: Unknown
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-833-439-73
```

ઠે 원

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 73, Application US/10833744

Sequence 73, Application US/10833744

Publication No. US20040197349A1

GENERAL INFORMATION:

APPLICANT: Mill, Adrian V.S.

APPLICANT: Gilbert, Sarah C.

APPLICANT: Gilbert, Sarah C.

APPLICANT: Gilbert, Sarah C.

APPLICANT: Hill, Addian V.S.

APPLICANT: Blanchard, Tomas

APPLICANT: Blanchard, Tomas

APPLICANT: Smith, Geoffrey L.

APPLICANT: Smith, Geoffrey L.

APPLICANT: Mill, Mill, Geoffrey L.

APPLICANT: Mill, Geoffrey L.

APPLICANT: Smith, Geoffrey L.

APPLICANT: Mill, Geoffrey L.

FILE REFERENCE: 2907.1000-000

CURRENT FILING DATE: 2004-04-08

PRIOR APPLICATION NUMBER: US/10/686,943

PRIOR APPLICATION NUMBER: US/09/454,204

PRIOR APPLICATION NUMBER: US/09/454,204

PRIOR APPLICATION NUMBER: US/09/454,204

PRIOR FILING DATE: 1999-12-09

PRIOR PRILING DATE: 1999-12-09

PRIOR PRILING DATE: 1999-12-09

PRIOR PILING DATE: 1999-06-09

PRIOR PILING DATE: 1997-06-09

NUMBER OF SEQ ID NOS: 78

SCOTWARE: FastSEQ for Windows Version 4.0

LENGTH. GENTH. G
APPLICANT: Plebanski, Magdalena
APPLICANT: Hanke, Tomas
APPLICANT: Baith, Geoffrey L.
APPLICANT: Baith, Geoffrey L.
APPLICANT: Blanchard, Tom
TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
FILE REFERENCE: 2907.1000.000
CURRENT PAPLICATION NUMBER: US/10/686,943
PRIOR REPLICATION NUMBER: US/20/486,943
PRIOR PELING DATE: 2003-10-16
PRIOR APPLICATION NUMBER: PCT/GB98/01681
PRIOR APPLICATION NUMBER: PCT/GB98/01681
PRIOR FILING DATE: 1998-06-09
PRIOR FILING DATE: 1998-06-09
PRIOR FILING DATE: 1997-06-09
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 73
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-833-744-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 29.1%; Score 30; DB 16; Length 9; Best Local Similarity 62.5%; Pred. No. 1.6e+06; Matches 5; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 16;
```

ij

```
Gaps
                                                                     7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                           Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 28.2%; Score 29; DB 16; Length 9; Best Local Similarity 100.0%; Pred. No. 1.6e+06; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                     Indels
                                                                                                                                                                                                              US-10-730-454-26

Sequence 26, Application US/10730454

Publication No. US20040175757A1

GENERAL INFORMATION:

APPLICANT: Olsen, Arne

APPLICANT: Roggen, Erwin

APPLICANT: Boggen, Erwin

TITLE OF INVENTION: Low Allergenic Protein Variants

FILE REPERENCE: 5676-200-US

CURRENT APPLICATION NUMBER: US/10/730,454

CURRENT PILING DATE: 2003-12-08

PRIOR FILING DATE: 1999-10-13

NUMBER OF SEQ ID NOS: 101

SOFTWARE: Patentin version 3.2

IENGTW.
                         Score 29.5; DB 14;
Pred. No. 7e+02;
6; Mismatches 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Search completed: June 20, 2005, 15:55:17
Job time : 54.45 secs
                                                                                                                                          3 SIRASLTFNR-GFKAGRNM 20
                                                                                                               2 SMKVTVAFNQFGPNAGQRM 20
                         Query Match
28.6%;
Best Local Similarity 36.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMATION: Synthetic US-10-730-454-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 GPNAG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 GPNAG 8
                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 74, Application US/10282960
Publication No. US20030143228A1
GENERAL INFORMATION:
APPLICANT: Chen, Si-Yi
APPLICANT: Chaoyang, You
APPLICANT: Schroers, Roland
TITLE OF INVENTION: Human Telomerase Reverse Transcriptase as a Class-II Restricted
TITLE OF INVENTION: Associated Antigen
FILE REFERENCE: P02193US1
FILE REPERENCE: P02193US1
CURRENT APPLICATION NUMBER: US/10/282,960
CURRENT FILING DATE: 2002-10-29
PRIOR APPLICATION NUMBER: US 60/345,012
PRIOR PILING DATE: 2001-10-29
NUMBER OF SEQ ID NOS: 100
SOPTWARE: PatentIn version 3.1
                         ö
                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                          GENERAL INFUGRATION:
GENERAL INFUGRATION:
APPLICANT: McMichael, Andrew
APPLICANT: Gilbert, Sarah C.
APPLICANT: Gilbert, Sarah C.
APPLICANT: Schneider, Jorg
APPLICANT: Plebanski, Magdalena
APPLICANT: Blanchard, Tomas
APPLICANT: Blanchard, Tomas
APPLICANT: Blanchard, Tom
TITLE OF INVENTION: Which Generate A CD8 T Cell Immune Response
FILE REFERENCE: 2907.100-000
CURRENT APPLICATION NUMBER: US/10/686,943
FILE REFERENCE: 2907.100-00
CURRENT FILING DATE: 1999-12-09
FRIOR FILING DATE: 1999-12-09
FRIOR FILING DATE: 1998-06-09
FRIOR FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 78
SEQ ID NO 73
LENGTH: 9
LENGTH: 9
LENGTH: 9
LENGTH: 9
LENGTH: 9
LENGTH: 9
                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP US-10-686-943-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29.1%; Score 30; DB 16; Length 9; 62.5%; Pred. No. 1.6e+06; tive 2; Mismatches 1; Indels
                         1; Indels
62.5%; Pred. No. 1.6e+06;
tive 2; Mismatches 1
                                                                                                                                                                                                                     ; Sequence 73, Application US/106B6943; Publication No. US20040213799A1; GENERAL INFORMATION:
Best Local Similarity 62.5
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 62.5
Matches 5; Conservative
                                                                5 VTVAFNOF 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5 VIVAFNOF 12
                                                                                        : ||||:|
1 INVAFNRF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : ||||:|
1 INVAFNRF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CRGANISM: Human
US-10-282-960-74
                                                                                                                                                                                                    US-10-686-943-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 14
US-10-282-960-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 74
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
```

THIS PAGE BLANK (USPTO)

Tue

```
REFERENCE/DOCKET NUMBER: 025.6
REFERENCE/DOCKET NUMBER: 025.6
TELECOMMULCATION INFORMATION:
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 94, Appl Sequence 97, Appl Sequence 17, Appl Sequence 127, Appl Sequence 227, Appl Sequence 236, Appl Sequence 236, Appl Sequence 121, Appl Sequence 121, Appl Sequence 257, Appl Sequence 257, Appl Sequence 256, Appl Sequence 251, Appl Squence 251, Ap
                                                                                                                      June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a / score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Issued_Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-47
US-09-142-554D-9
US-09-142-554D-9
US-09-142-524D-158
US-08-467-023-227
US-08-467-023-236
US-08-467-023-236
US-08-467-023-122
US-08-467-023-122
US-08-467-023-125
US-08-467-023-255
US-08-467-023-255
US-08-467-023-255
US-08-467-023-255
US-08-467-023-251
US-08-467-023-252
US-08-467-023-253
US-08-467-023-253
US-08-467-023-253
US-08-467-023-253
US-08-467-023-254
US-08-467-023-254
US-08-467-023-254
US-08-467-023-254
US-08-467-023-254
US-08-467-023-254
US-08-467-023-254
                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                   513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                    protein search, using sw model
                                                                                                                                                                                                                                      103
1 KSMKVTVAFNQFGPNAGQRM 20
                                                                                                                                                                                                                                                                                                                           Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                               US-09-202-464-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                      seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                    BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score
                                                                                    •
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Minimum DB
Maximum DB
                                                                                    OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Database
                                                                                                                               Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Result
```

Sequence 244, App Sequence 246, App Sequence 241, App Sequence 241, App Sequence 242, App Sequence 59, Appl Sequence 64, Appl Sequence 64, Appl Sequence 15, Appl Sequence 15, Appl Sequence 15, Appl Sequence 24, Appl Sequence 26, Appl Sequence 32, Appl Sequence 26, Appl Sequence 32, Appl Appl Appl Appl Sequence 32, Appl Appl Appl Appl Appl Appl Appl App		s From Inc.
US-08-467-023-244 US-08-467-023-246 US-08-467-023-241 US-08-467-023-241 US-08-142-524D-59 US-09-142-524D-56 US-09-142-524D-56 US-08-467-023-48 US-08-467-023-48 US-08-467-023-46 US-08-467-023-46 US-08-467-023-46 US-08-181-33-10 US-08-181-33-21 US-08-457-353-24 US-09-457-353-24 US-09-457-353-24 US-09-457-353-24 US-09-457-353-24 US-09-457-353-24 US-09-457-353-24	ALIGNMENTS	ic Proteins And Peptide Cedar Pollen Ceutical Corporation, -DOS #1.0, Version #1.25 67,023 5.6 USD2 (IMI-028CPD2)
28.2 20.1 20.1 20.1 20.1 20.1 20.1 20.1 20		tion US "Eeth, Ir ck, Joa "Ulian ", Rich wei-Cha wei-Cha "Siu- ", Andr ", An
28 330 331 332 333 334 333 334 333 444 443 444 443 444 444 444 443 444		US-08-467-023-47 US-08-467-023-47 Sequence 47, Applicati Patent No. 6090386 GENERAL INFORMATION: APPLICANT: Bold, OAPPLICANT: Garman, APPLICANT: Exley, APPLICANT: Waltham STREET: 610 Linc CITY: Waltham STREET: MAA COUNTRY: Waltham STREET: MAA COMPUTER READABLE FY COMPUTER: BENEY COMPUTER: IBM PCOMPUTER: BENEY COMPUTER: DATE: UNGERNAME: PAPLICATION UNGER FILING DATE: DATE: UNGERNAME: JUNGERNAME: JUNGERN

a

```
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohauke
TILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
RIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Follock, Joanne;
APPLICANT: Follock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Dowers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 15;
                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             B: ImmuLogic Pharmaceutical Corporation, Inc. 610 Lincoln St
                 Pred. No. 2.4e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 75.7%; Score 78; D4 4; L4 Best Local Similarity 100.0%; Pred. No. 2.4e-07; Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                               ; Sequence 158, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 227, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MISC FEATURE
LOCATION: (1)...(15)
COTHER INFORMATION: Figure 7, Row a
US-09-142-524D-158
100.0%; Pre-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 158
LENGTH: 15
                                                                                                        1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KSMKVTVAFNQFGPN 15
                                                                                 1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 KSMKVTVAFNQFGPN 15
                 Best Local Similarity 100. Matches 15; Conservative
                                                                                                                                                                                                                                                                                             APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Immu
STREET: 610 Lir
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                              US-09-142-524D-158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 5
                                                                                 ò
                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sone, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Wama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      75.7%; Score 78; DB 4; Length 15; 100.0%; Pred. No. 2.4e-07; tive 0; Mismatches 0; Indels
                                                         96.1%; Score 99; DB 3; Length 20; 95.0%; Pred. No. 5.8e-11; Live 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
FRIOR APPLICATION NUMBER: PCT/JP97/00740
FRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SOFTWARE: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:

NAME/KEY: MISC_FEATURE

LOCATION: (1).__(15)

1.OTHER INFORMATION: Cryj1 peptide, Figure 1, US-09-142-524D-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    75.7%; Score 78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 57, Application US/09142524D Patent No. 6719976 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                               Sequence 9, Application US/09142524D Patent No. 6719976
                                                                                                                                               1 KSMKVTVAFNQFGPNAGQRM 20
                                                                                                                                                                          1 KSMKVTVAFNQFGPNCGQRM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Cryptomeria japonica
US-09-142-524D-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 KSMKVTVAFNOFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                       Query Match
Best Local Similarity 95.03
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-142-524D-57
                                                                                                                                                                                                                                                     RESULT 2
US-09-142-524D-9
                 US-08-467-023-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
```

ô

```
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 230, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                        TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 236:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acids
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
                                                                                                                                                                                                                                         Query Match 75.7%; Sc
Best Local Similarity 100.0%; P
Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Garman, Richard D;
    TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                               3 KSMKVTVAFNQFGPN 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 peptide
internal
                                                                                                                                                             peptide
internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
FRAGMENT TYPE:
US-08-467-023-230
                                                                                                                                                         MOLECULE TYPE:

/ FRAGMENT TYPE:

US-08-467-023-236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Walthan
                                        PPDLICALLOW

PILLNG DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NOMER: 08/350,225
FILLMG DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECHONE: (617) 227-740
TELEFAX: (617) 227-740
INFORMATION FOR SEQ ID NO: 227:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 78; DB 3; Length 19;
Pred. No. 3.1e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin: FC-DOS/NS-DOS
SOFTWARE: Patentin: FC-DOS/NS-DOS
SOFTWARE: Patentin: RC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: June 6, 1995
CLASSIFICATION ATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 236, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             75.7%; Scor.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pollock, Joanne,
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
Yeung, Siu-mei H.;
Brauer, Andrew;
Exley, Mark A.;
Powere, Steven P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 KSMKVTVAFNOFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KSMKVTVAFNOFGPN 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Walth
STATE: MA
COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-467-023-227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
```

```
0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: No. Mel-Chang;
APPLICANT: No. Mel-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Bowers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St
Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PatentIn Release #1.0, version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: Une 6, 1995
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Jane B. Remillard
REGIGTRATION NUMBER: 38,872
RECIGTRATION NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECHOUR: (617) 227-7400
ITELEPAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
```

ઠે g

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: BOND, Ullian F.,
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang,
APPLICANT: Yeung, Slu-mei H.;
APPLICANT: Yeung, Slu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Bowers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B: Immulogic Pharmaceutical Corporation, Inc. 610 Lincoln St
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: U5/08/467,023
FILING DATE: June 6, 1995
CLASSIPICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 325.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-7401
SEQUENCE CHARACTER/SICS:
SEQUENCE CHARACTER/SICS:
                                                                                                                                                                                                                                                                                                             025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 74; DB 3; I
Pred. No. 1.6e-06;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Parentin Release #1.0, Ve.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION TAX:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 112, Application US/08467023; Patent No. 6090386; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
71.8%;
Best Local Similarity 93.3%;
Matches 14; Conservative C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 KSMKATVAFNOFGPN 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 610 Li
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-467-023-122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-467-023-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Mama, Akiko
APPLICANT: Wama, Akiko
APPLICANT: Wino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: CCT/JP97/00740
PRIOR PILING DATE: 1997-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                              ö
                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Griffen, Irwin J.;
APPLICANT: Griffen, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
     Query Match 75.7%; Score 78; DB 3; Length 20; Best Local Similarity 100.0%; Pred. No. 3.3e-07; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 73.8%; Score 76; DB 4; Length 15; Best Local Similarity 93.3%; Pred. No. 5.4e-07; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC FEATURE
LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 44
                                                                                                                                                                                                                                                           US-09-142-524D-58
Sequence 58, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 121, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
                                                                                                           1 KSMKVTVAFNOFGPN 15
                                                                                                                                           4 KSMKVTVAFNOFGPN 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6 TVAFNQFGPNAGQRM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 TVAFNOFGPNCGORM 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-142-524D-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-023-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 58
LENGTH: 15
```

ద

ઠ

ö

Gaps

ó

Length 19;

```
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Joanne;
APPLICANT: Griffeth, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Graman, Richard D;
APPLICANT: Wow, Mei-Chang, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
STREET: Waltham
GITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Petentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION WUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION NATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
RELECHANICATION INFORMATION:
TELECHANDICATION INFORMATION:
TELECHANDICATION INFORMATION:
TELECHANDICATION INFORMATION:
TELECHANDICATION 100 NUMBER: 38,872
REFERENCE CHARACTERISTICS:
LENGTH: 17 amino acides
LENGTH: 17 amino acides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     67.0%; Score 69; DB 3; Length 17; 93.3%; Pred. No. 1.1e-05; tive 0; Mismatches 1; Indels
                      Query Match 68.0%; Score 70; DB 3; I
Best Local Similarity 86.7%; Pred. No. 8.3e-06;
Matches 13; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                   Sequence 257, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                  1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                   3 KSMKATAAFNOFGPN 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 KSMKVTVAFNQFGNN 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                          US-08-467-023-257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-08-467-023-235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                    ð
                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 126, Application US/08467023
; Sequence 126, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Roud, Julian F.;
APPLICANT: Roud, Julian F.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Dowers, Steven P.;
APPLICANT: Brier, Andrew;
APPLICANT: Powers, Steven P.;
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDERCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                            71.8%; Score 74; DB 3; Length 19; 93.3%; Pred. No. 1.6e-06; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CUNTRY: WALCHAM
CITY: WALCHAM
COUNTRY: USA
ZUE: 0.215.
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IB PC COMPALIAL
COMPUTER: IB PC COMPALIAL
COMPUTER: PACHOLIAL
COMPATER: PACHOLIAL
COMPATER: PACHOLIAL
COMPATER: PACHOLIAL
COMPATER: PACHOLIAL
COMPATER: PACHOLIAL
CASTERIAL
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: A24
PRIOR PACENTION: A24
PRIOR DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 327,7400
TELERPHONE: (617) 227,7400
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               025.6 USD2 (IMI-028CPD2)
                   TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 122:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KSMKVTVAFNQFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 KSMKVTAAFNQFGPN 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 19 amino acids
TYPE: amino acid
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (617) 227-5941 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                 TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                          US-08-467-023-122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-467-023-126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-126
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
```

ö

ö

Length 17;

```
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exlay, Mark A.;
APPLICANT: Exlay, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Alganese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS: ADDRESS: STREEF: ImmuLogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St. CITY: Walthan CITY: W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          63.1%; Score 65; DB 3; Length 15;
100.0%; Pred. No. 5e-05;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: ImmuLogic Pharmaceutical Corporation, Inc. 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: Elem PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 222-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 256, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (617) 227-5941 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 KSMKVTVAFNQFG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 KSMKVTVAFNOFG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 63.1
Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Waltham
                                                                                                                                                                                                                                                                                        USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
                                                                                                                                                                                                                                                                                                                     ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-467-023-256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Dowers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 63.1%; Score 65; DB 3; Length 13; Best Local Similarity 100.0%; Pred. No. 4.2e-05; Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PALICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAMME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 327-7400
TELECOMMUNICATION INFORMATION:
TELECHONE: (617) 227-7401
TELECHONE: (617) 227-75941
INFORMATION FOR SEQ ID NO: 235:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSE: Immulogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St CITY: Waltham STATE: MA COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 255, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
Sequence 235, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Bond, Julian F.;
Kuo, Mei-Chang;
Yeung, Siu-mei H.;
Brauer, Andrew;
Exley, Mark A.;
Powers, Steven P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 KSMKVTVAFNOFG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-467-023-235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-467-023-255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

ö

Gaps

; 0

```
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION WIMER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION NATA:
APPLICATION WIMER: US/08/167,023
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BREINIAN NUMBER: 38 872
REFERENCE/DOCKET NUMBER: 38 872
REPERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
FILECOMMUNICATION INFORMATION:
TELEFROME (617) 227-340
INFORMATION FOR SEQ ID NO: 256:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: anino acids
TYPE: anino acids
TOPOLOCY: linear
MOLECULE TYPE: internal
US-08-467-023-256
QUETY MATCH
BRET LOCAL SIMILATITY 100:08; Pred. No. 5e-05;
MATCHES 13; CONSETVATIVE 0; Mismatches 0; Indels 0; Gaps

QY 1 KSMKYTVARNOFS 13
```

Search completed: June 20, 2005, 14:22:21 Job time : 16.15 sec8

2 KSMKVTVAFNQFG 14

셤

THIS PAGE BLANK (USPTO)

```
June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/PCT_MEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/NSO6_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB.pep:*
7/cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO9_NEW_PUB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
20: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
21: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
22: /cgn2_6/ptodata/2/pubpaa/USIOB_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1714042 seqs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                           OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                             1 QFGPNAGQRMPRARYGLIHV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                              BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                            US-09-202-464-25
109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                           Perfect acore:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Database
                                                                                                                                                                                             Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

			, Appl	, Appl	, Appl	, Appl	06, Ap	, App	, Appl	Appl	, Appl	, Appl	, Appl
	ğ		59	9	61	58	17	397	16	23	16	45	23
	Description		Sequence	Sequence	Sequence	Sequence	Sequence	Sequence 397, App	Sequence	Sequence	Seguence	Sequence	Sequence
	QI		US-10-354-240-59	US-10-354-240-60	US-10-354-240-61	US-10-354-240-58	US-10-225-567A-1106	US-09-834-765-397	US-10-147-447-16	US-10-300-072-23	US-10-456-949-16	US-10-456-947-45	US-10-718-495-23
	DB	;	14	14	14	14	14	0	14	14	15	15	16
	Query Match Length DB		15	15	15	15	19	10	20	20	20	20	20
de	Query Match		72.5	67.9	48.6	46.8	32.1	30.3	30.3	30.3	30.3	30.3	30.3
	Score		79	74	53	51	35	33	33	33	33	33	33
	Result No.	1	г	7	٣	4	2	9	7	œ	o,	10	11

Sequence 23, Appl		19	4, AE	21	o,	57,	158,	202,	202,	47, A	œ	8	Sequence 8, Appli	œ	œ	æ	Sequence 8, Appli	8	26,	32,	199,	e 20,	199,	4	199,	199,	11,	3445	e 572,	13	60, A	1, 2	446
.6 US-10-717-984-23	.0 US-09-852-910-196	10-411	US-10-245	9-735	-10		.4 US-10-354-240-158	.4 US-10-057-789-202	4 US-10-212-628-202	.5 US-10-319-315-47	US-09-776-874A-8	US-09-988-113-8	4 US-10-341-582-8	4 US-10-384-451-8	4 US-10-384-450-8		US-10	.6 US-10-785-116-8	.6 US-10-730-454-26	.6 US-10-730-454-32	US-09-996-288-199			4 US-10-022-066-448			.6 US-10-487-886-11	US-09-864-761-34455		.0 US-09-791-524-134	5 US-10-404-679	5 US-1	US-08-424-550B-446
20 1	11 1	11 1	18 1	15 1	15 1	15 1	15 1	18 1	18 1	20 1	о О	6	9	9	9	9	9	6	9	9	10 9	10		10 1	10 1	10	15 1	19 9	Н	7		-	12 8
12 33 30.3	7	e	31 2	30 2	30 2	30 2	30 27.	30 27.	30	30	29	29	25 29 26.6	29	29	29	29	29	31 29 26.6	29	29	29	29	29	29	29	29	29	28	28	28	8	45 28 25.7

ALIGNMENTS

```
US-10-354-240-59

i Sequence 59, Application US/10354240

j Sequence 59, Application US/10354240

j Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Iwama, Akiko

APPLICANT: Exino, Kohauke

ITILE OF INFUNITION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFERENCE: SPO-103D1

CURRENT FILING DATE: 2003-01-29

PRIOR APPLICATION NUMBER: DCT/1097/00740

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

SEQ ID NO 59

LENGTH: 15

TYPE: PRT

TYPE: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 72.5%; Score 79; DB 14; Length 15; Best Local Similarity 93.3%; Pred. No. 1.3e-05; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC_FEATURE

CCATION: (1)...(15)

CTHER INFORMATION: Cryjl peptide, Figure 1, Row 45

MS-10-354-240-59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Cryptomeria japonica
```

ö

Gaps ö

```
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Majarixki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-10301
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: LifeSpan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burmer, Glenna C.
APPLICANT: Burmer, Glenna C.
APPLICANT: Burmer, Glenna C.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS FILE REFERENCE: 1920-4-
CURRENT APPLICATION NUMBER: 105/10/225,567A
CURRENT APPLICATION NUMBER: 60/257,144
PRIOR APPLICATION NUMBER: 60/257,144
                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 14; Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 15;
                  DB 14; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row US-10-354-240-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 51; DB 14;
Pred. No. 0.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                1; Mismatches
                  Score 53;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32.1%; Score 35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 1106, Application US/10225567A; Publication No. US20030113798A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                           Sequence 58, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
                    48.6%;
                  Query Match
Best Local Similarity 90.0
Matches 9; Conservative
                                                                                                                                |||||||||||||
1 PRARYGLVHV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 OFGPNAGORM 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 QFGPNCGQRM 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: MISC_FEATURE
                                                                                                         11 PRARYGLIHV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-225-567A-1106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-225-567A-1106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 1106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                           ઠ
                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 61, Application US/10354240

Sequence 61, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Name, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Iwame, Akinori

APPLICANT: Rino, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-103010.29

FILE REFERENCE: SPO-10301

CURRENT PILING DATE: 1997-01-10

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1

SEQ ID NO 61

LEASTH: 15

LEASTH: 15

LEASTH: 15

LEASTH: 15

LEASTH: 15

LEASTH: 15
                                                                                                                                                                                                                                       APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kaauo
APPLICANT: Jamam, Akiko
APPLICANT: Wama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
FILE REFERENCE: 1997-03-10
PRIOR PILING DATE: 1997-03-10
PRIOR PILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 60
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 74; DB 14; Length 15
Pred. No. 8.1e-05;
"winmatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: MISC FEATURE
LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 47
                                                                                                                                                  Sequence 60, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            67.9%;
92.9%;
1 QFGPNAGQRMPRARY 15
                                      OFGPNCGORMPRARY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7 GORMPRARYGLIHV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                         APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-354-240-60
                                                                                                                                  US-10-354-240-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
à
                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                             GENERAL INVEXENTION:
GENERAL INVEXENTION:
APPLICANT: Hoan Yang
APPLICANT: Hoan Yang
APPLICANT: Hoan Vang
FAPLICANT: Hoan Yang
TITLE OF INVENTION: USE OF HAGB FRAGMENTS AS ANTI-FLAMMATORY
TITLE OF INVENTION: AGENTS
FILE REFERENCE: 3268.1001-005
CURRENT APPLICATION NUMBER: US/10/300,072
CURRENT FILING DATE: 2002-11-20
FRIOR FILING DATE: 2002-05-15
PRIOR FILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
SPRIOR FILING DATE: 2001-05-15
SOFTWARE: FASESEQ for Windows Version 4.0
SEQ ID NO 23
LENGTH.: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30.3%; Score 33; DB 14; Length 20; 60.0%; Pred. No. 4.1e+02; Live 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30.3%; Score 33; DB 15; L
60.0%; Pred. No. 4.1e+02;
tive 2; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Kevin J. Tracey
APPLICANT: Kevin J. Tracey
APPLICANT: Huan Yang
TITLE OF INVENTION: USE OF HMG FRAGMENTS AS
TITLE OF INVENTION: USE OF HMG FRAGMENTS AS
TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
FILE REFERENCE: 3268.1001-006
CURRENT APPLICATION NUMBER: US/10/456,949
CURRENT FILING DATE: 2003-06-06
PRIOR APPLICATION NUMBER: 60/291,034
PRIOR FILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 16
LENGTH: 20
TYPE: PRT
CRGANISM: Homo Sapien
US-10-456-949-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 16, Application US/10456949
Publication No. US20040005316A1
GENERAL INFORMATION:
                                                                                                US-10-300-072-23
. Sequence 23, Application US/10300072
; Publication No. US20030144201A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 30.3
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 30.3
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4 PNAGQRMPRA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||| :|:| |
4 PNAPKRLPSA 13
       4 PNAPKRLPSA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 PNAGQRMPRA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | | | : | : | |
4 PNAPKRLPSA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-300-072-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-456-949-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                Gaps
                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                              Sequence 397, Application US/09834765

Patent No. US20020055478A1

GENERAL INFORMATION:
APPLICANT: Mary Faris
APPLICANT: Pia M. Challita-Eid
APPLICANT: Arthur B. Raitano
APPLICANT: Arthur B. Raitano
APPLICANT: Aya Jakobovite
TITLE OF INVENTION: GTP-BINDING PROTEIN USEFUL IN TREATMENT
TITLE OF INVENTION: GTP-BINDING PROTEIN USEFUL
CURRENT APPLICANTON NUMBER: US/09/834,765
CURRENT FILING DATE: 2000-04-12

PRIOR FILING DATE: 2000-04-12

NUMBER OF SEQ ID NOS: 770

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 397

LENGTH: 10

TYPE: PRT

ORGANISM: Homo sapiens
US-09-834-765-397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 30.3%; Score 33; DB 14; Length 20; Best Local Similarity 60.0%; Pred. No. 4.1e+02; Matches 5; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 33; DB 9; Length 10;
Pred. No. 2e+02;
0; Mismatches 4; Indels
                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VG-10-147-447-16

VG-10-147-447-16

Sequence 16, Application US/10147447

Publication No. US20030060410A1

GENERAL INPORMATION

APPLICANT: Tracey, Kerin J.

APPLICANT: Warren Jr., Howland Shaw

TITLE OF INVENTION: Use of HMG Fragments as

TITLE OF INVENTION: Anti-Inflammatory Agents

FILE REFERENCE: 3268-1001-001

CURRENT FILING DATE: 2002-08-16

PRIOR APPLICATION NUMBER: 60/291,034

PRIOR PLLING DATE: 2001-05-15

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NO 16
    Pred. No. 1.9e+02;
4; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30.3%;
Best Local Similarity 50.0%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                       4 PNAGQRMPRA 13
                                                                                                   | :||::||:
8 PGSGQQLPRS 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 GPNAGQRMPR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GPPGGSRWPR 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-147-447-16
                                                                                                                                                                                                                  US-09-834-765-397
                                                                                                               유
                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
```

ö

RESULT 10 US-10-456-947-45

4 PNAGQRMPRA 13

```
RESULT 14
                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                  APPLICANT: Kevin J. Tracey
APPLICANT: Huan Yang
TITLE OF INVENTION: INHIBITORS OF THE INTERACTION BETWEEN
TITLE OF INVENTION: HMGB POLYPEPTIDES AND TOLL-LIKE RECEPTOR 2 AS
TITLE OF INVENTION: AMTI-INFLAWMATORY AGENTS
FILE REFERENCE: 3268.1001-007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30.3%; Score 33; DB 16; Length 20; 60.0%; Pred. No. 4.1e+02; tive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 33; DB 15; Length 20;
Pred. No. 4.1e+02;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23, Application US/10718495
Publication No. US20040141948A1
GENERAL INFORMATION: US20040141948A1
TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
FILE PEFERENCE: 3258.1009-001
CURRENT APPLICATION NUMBER: US/10/718,495
CURRENT FILING DATE: 2003-11-12
PRIOR APPLICATION NUMBER: 60/427,841
PRIOR FILING DATE: 2003-11-20
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 23
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23, Application US/10717984
Publication No. US20040156851A1
GENERAL INPORMATION:
APPLICANT: Newman, Walter
TITLE OF INVENTION: HMGB1 COMBINATION THERAPIES
FILE REFERENCE: 3258.1008-001
CURRENT APPLICATION NUMBER: US/10/717,984
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,846
                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/456,947
CURRENT FILING DATE: 2003-06-06
PRIOR APPLICATION NUMBER: 10/147,447
PRIOR FILING DATE: 2002-05-15
PRIOR FILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 46
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 45
LENGTH: 20
Sequence 45, Application US/10456947
Publication No. US20040053841A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30.3%;
60.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | | | | : | : | 4
| PNAPKRLPSA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 PNAGQRMPRA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 PNAPKRLPSA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 PNAGQRMPRA 13
                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
US-10-718-495-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 12
US-10-717-984-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-456-947-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 11
US-10-718-495-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
```

```
Sequence 196, Application US/09852910
Publication No. US20030096297A1
GENERAL INFORMATION:
APPLICANT: Hamm, Heidi
APPLICANT: Hamm, Heidi
APPLICANT: Hamm, Heidi
APPLICANT: Gilchrist, Annette
TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor S.
FILE REFERENCE: 2661-101
CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US/09/852,910
CURRENT FILING DATE: 2001-03-14
NUMBER OF SEQ ID NOS: 271
SOFTWARE: Patentin Version 3.0
SEQ ID NO 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-411-336A-196

| Sequence 196, Application US/10411336A |
| Publication No. US20040018558A1 |
| GENERAL INFORMATION: |
| APPLICANT: HAMM, HEIDI |
| TITLE OF INVENTION: SIGNALING MODULATORS OF G PROTEIN COUPLED RECEPTOR |
| TITLE OF INVENTION: MINDER: 203-04-11 |
| PRIOR PELICATION NUMBER: US 09/852910 |
| PRIOR PELING DATE: 2001-05-11 |
| PRIOR PELING DATE: 2010-05-14 |
| PRIOR PELING DATE: 2010-05-14 |
| PRIOR PELING DATE: 2010-03-14 |
| 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                        30.3%; Score 33; DB 16; Length 20; 60.0%; Pred. No. 4.1e+02; ive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 31; DB 10; Length 11;
Pred. No. 4.7e+02;
2; Mismatches 3; Indels
PRIOR FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 23
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature

LOCATION: (1)...(11)

OTHER INDEMATION: Gs library peptide

US-09-852-910-196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28.4%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 54.5
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8 ORMPRARYGLI 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 ORMPLROYELL 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 PNAGQRMPRA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |||| :|:| |
4 PNAPKRLPSA 13
                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 13
US-09-852-910-196
                                                                                                                                                                                                                                                                                                         US-10-717-984-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
```

```
RESULT 15

US-10-245-141-4

i Sequence 4, Application US/10245141

i Publication No. US2050106755A1

i GENERAL INFORMATION:

APPLICANT: Zahradnik, Richard J.

APPLICANT: Lavigne, Jeffrey

APPLICANT: Lavigne, Jeffrey

TITLE OF INVENTION: Immunoassays, Assay Methods, Antibodies and Method of Creating

TITLE OF INVENTION: Antibodies for Detecting FGF-23

FILE REFERENCE: IMUNE-002A

CURRENT APPLICANTION NUMBER: US/10/245,141

CURRENT FILING DATE: 2002-09-17

NUMBER OF SEQ ID NOS: 31

SOFTWARE: PatentIn version 3.3

SEQ ID NO 4

LENGTH: 18
                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ó,
                                                                                                                                                                                    0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Gaps
                                                                                                                          Query Match

28.4%; Score 31; DB 15; Length 11;
Best Local Similarity 54.5%; Pred. No. 4.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 28.4%; Score 31; DB 17; Length 18; Best Local Similarity 41.2%; Pred. No. 7.8e+02; Matches 7; Conservative 3; Mismatches 7; Indels
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: G8 library peptide
US-10-411-336A-196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Human FGF-23 residues 25-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 PNAGQRMPRARYGLIHV 20
                                                                                                                                                                                                                                                             ||||| :| |:
1 QRMPLRQYELL 11
                                                                                                                                                                                                                                8 QRMPRARYGLI 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-245-141-4
                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                ð
```

Search completed: June 20, 2005, 15:55:17 Job time : 53.45 secs

2 PNASPLLGSSWGGLIHL 18

දු ද

THIS PAGE BLANK (USP)U)

```
June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                     196327
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                           513545 segs, 74649064 residues
                                                                             OM protein - protein search, using sw model
                                                                                                                                                                                                                                        1 OFGPNAGORMPRARYGLIHV 20
                                                                                                                                                                                                                                                                                BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                   US-09-202-464-25
109
                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                     Title:
Perfect score:
                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                             Sequence:
                                                                                                                                                                                                                                                                                                                                             Searched:
                                                                                                                   Run on:
```

/cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:* Issued Patents AA:*

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 48, Appl	59,	60,	61,	49,	58,	47,	25	Sequence 5, Appli	7	10	œ	Sequence 5, Appli	64,	ď	57,	15	121,	-	126,	227,	23	23	æ	Sequence 8, Appli	26	32
SUMMARIES	σI	US-08-467-023-48	US-09-142-524D-59	-09 - 142	9	9	US-09-142-524D-58	US-08-467-023-47	US-08-467-023-258	US-08-075-541D-5	US-08-614-935-10	US-09-130-287-10	US-08-343-943-8	US-09-509-593-5	PCT-US93-06751-64	US-09-142-524D-9	US-09-142-524D-57	US-09-142-524D-158	US-08-467-023-121	US-08-467-023-122	US-08-467-023-126	US-08-467-023-227	US-08-467-023-236	US-08-467-023-230	US-08-922-170B-8	US-09-435-739-8	US-09-417-608A-26	US-09-417-608A-32
	08	· m	4	4	4	m	4	m	m	m	-	m	٦	4	വ	4	4	4	m	ᠬ	ო	m	٣	ო	~	4	4	4
	Length	20	15	15	15	20	15	20	19	20	70	20	10	12	14	15	15	15	19	19	19	19	19	50	σ	σ	σ	σ
de	Query Match	95.4	72.5	67.9	48.6	48.6	46.8	46.8	42.2	29.4	28.9	28.9	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	26.6	26.6	26.6	26.6
	Score	104	79	74	53	53	51		46	32	31.5	31.5	30	30	30	30	30	30	30	30	30	30	30	30	59	29	29	29
	Result No.		7	٣	4	S	9	7	80	σ	10	11	12	13	14	15	16	17	18	19		21		23		25		27

Sequence 8, Appli Sequence 1, Appli Sequence 19, Appl Sequence 19, Appl Sequence 25, Appl Sequence 15, Appli Sequence 16, Appli Sequence 16, Appl Sequence 446, Appl Sequence 446, Appl Sequence 446, Appl Sequence 24, Appl Sequence 24, Appl Sequence 25, Appl Sequence 26, Appl Sequence 27, Appl Sequence 29, Appl	
US-09-988-113-8 US-09-181-336-1 US-09-252-286-21 US-09-996-288-199 US-08-107-684B-199 US-08-107-684B-199 US-08-107-684B-199 US-08-107-584B-199 US-08-107-584B-199 US-08-469-260A-446 US-09-489-46-446-446 US-08-467-344A-446 US-08-489-156-24 US-09-489-156-29 5194425-9 PCT-US93-06751-98	
4 W W 4 L L W W W 4 4 4 4 4 4 6 6 6 6	
00004480808787886844	
29 26.6 29 26.6 29 26.6 20 26.	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

ALIGNMENTS

```
APPLICANT: Pollock, Joanne;
APPLICANT: Pollock, Joanne;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Exung, Siu-mei H.;
APPLICANT: Exung, Mark A.;
APPLICANT: Exung, Mark A.;
APPLICANT: Exung, Mark A.;
APPLICANT: Browers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS: ADDRESSEE Immuncatic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION: DATA:
APPLICATION UNMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY

ZIP: 02154
COMPUTER: PORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FTIING DATE: June 6, 1995
                     Sequence 48, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INPORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-48
                                               Patent No.
```

```
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Nume, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Wino, Kohuuke
ITILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: 970-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: US/09/09
PRIOR PLING APPLICATION NUMBER: PCT/JP97/00740
PRIOR PLING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
IENGTH: 15
                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 15;
                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: ImmuLogic Pharmaceutical Corporation, Inc. 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; IOCATION: (1) .. (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 47
US-09-142-54D-61
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 46 US-09-142-524D-60
                                                                Score 74; DB 4;
Pred. No. 7.4e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 53; DB 4;
Pred. No. 0.024;
1; Mismatches
                                                                                                      Mismatches
                                                                                                                                                                                                                                                                           Sequence 61, Application US/09142524D
Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative 1
                                                              Query Match 67.9%;
Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                            7 GORMPRARYGLIHV 20
                                                                                                                                                                  2 GORMPRARYGLVHV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 PRARYGLVHV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11 PRARYGLIHV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE LOCATION: (1)...(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Waltham
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                               US-09-142-524D-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                              ò
                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                             APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Wame, Akinori
APPLICANT: Iwama, Akino
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
FILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REPERRNCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: CT/JP97/00740
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NOS: 174
SEQ ID NO S9
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Mana, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
RRIOR FILING DATE: 1999-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .;
0
                                                                                        .
0
                                              95.4%; Score 104; DB 3; Length 20; 90.0%; Pred. No. 9.9e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 72.5%; Score 79; DB 4; Length 15; Best Local Similarity 93.3%; Pred. No. 1.1e-06; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 45
US-09-142-524D-59
                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-524D-60
; Sequence 60, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                           Sequence 59, Application US/09142524D Patent No. 6719976
                                                                                                                                                1 QFGPNCGQRMPRARYGLVHV 20
                                                                                                                            1 OFGPNAGORMPRARYGLIHV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 OFGPNAGORMPRARY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 QFGPNCGQRMPRARY 15
                                                                                      18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MISC FEATURE LOCATION: (1). (15)
                                                                  Best Local Similarity
                                                                                                                                                                                                                         RESULT 2
US-09-142-524D-59
            US-08-467-023-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO 60
LENGTH: 15
                                                  Query Match
                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                              ઠે
                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠ
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
0
                                                                                                                                                                        APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION: A24
PRIOR APPLICATION: A24
PRIOR APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard: 38,872
REFERENCE/DOCKET NUMBER: 38,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADJUKESSEE: ImmuLogic Pharmaceutical Corporation, Inc. STREET: VALUE Lincoln St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 46.8%; Score 51; DB 3; Best Local Similarity 90.0%; Pred. No. 0.07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 258, Application US/08467023
Patent No. 6090386
                                                                    US-08-467-023-47; Sequence 47, Application US/08467023; Patent No. 6090386; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
Yeung, Siu-mei H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 QFGPNCGQRM 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 QFGPNAGQRM 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-467-023-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-467-023-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Twama, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Twama, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Twama, Rohsuke
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Kohsuke
APPLICANT: Twama, Beptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO SE
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    46.8%; Score 51, DB 4; Length 15; 90.0%; Pred. No. 0.051; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           48.6%; Score 53; DB 3; Length 20; 90.0%; Pred. No. 0.033; tive 1; Mismatches 0; Indels
                    MEDIUM TYPE: BLEDDY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Batentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIPICATION NUMBER: 08/350,225
FILING APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INPORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELEPAX: (617) 227-5941
INPORMATION FRQ ID NO: 49:
SEQUENCE CRARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: MISC_FEATURE
CATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 44
US-09-142-5240-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 58, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 90.0
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide FRAGMENT TYPE: internal
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 PRARYGLIHV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 QFGPNAGQRM 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 QFGPNCGQRM 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 9; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-142-524D-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-023-49
```

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/614,935
FILING DATE: 11-MAR-1996
CLASSIFICATION: 436
ATTORNEY AGENT INPORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REPERENCE/DOCKET NUMBER: 600-1-156
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 29.4%; Score 32; DB 3;
Best Local Similarity 52.9%; Pred. No. 1e+02;
Matches 9; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 8795-4
TELECOMMUNICATION:
TELEBHONE: 215-567-2020
TELEFAX: 215-567-2991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 GPNAGQRMP-RARYGLI 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 GP-AGQAEPDRAHYNIV 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 215-30, INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS: TRNGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Hackengack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino ació
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-075-541D-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-614-935-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Evers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCES: 18musceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: TINDLE, ROBERT
APPLICANT: FERNANDO, GERMAIN
APPLICANT: FRANCER, IAN
TITLE OF INVENTION: SUBUNIT PAPILLOMA VIRUS VACCINE AND
TITLE OF INVENTION: PERTIDES FOR USE THEREIN
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 MARKET STREET, 36TH FLOOR
CITY: PHILADLEHIA
STATE: PENNSYLVANIA
CONTRY: USA
ZIP: 1910-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: FLODBY disk
COMPUTER: IBM FC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACHLIN Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 42.2%; Score 46; DB 3; Length 19; Best Local Similarity 88.9%; Pred. No. 0.45; Matches 8; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                             COMPUTER READBLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/POCKET NUMBER: 38,872
REFERENCE/POCKET NUMBER: 38,872
REFERENCE/POCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAX: (617) 227-7400
TELEFRAX: (617) 227-7400
TELEFRAX: (617) 227-7400
TELEFRAX: (617) 227-7591
INFORMATION FOR SEQ ID NO: 258:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5, Application US/08075541D
Patent No. 6183745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12 RARYGLIHV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-467-023-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-075-541D-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ..
'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 10, Application US/08614935
Patent No. 5804201
GENERAL INFORMATION:
APPLICANT: King, Te P.
TITLE OF INVENTION: INMUNOMODULATORY PEPTIES OF VESPID:
ITLE OF INVENTION: ANTIGEN 5
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESSE: David A. Jackson, Esq.
STREET: #11 Hackensack Ave, Continental Plaza, 4th
PAPLICATION NUMBER: US/08/075,541D
FILING DATE: 10-JUN-1993
CLASSIFICATION 1424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: AU pk 3876
FILING DATE: 12-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: pct/au91/00575
FILING DATE: 12-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: NADEL, ALAN S
REGISTRATION NUMBER: 27,3619
```

ñ

```
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          음
                                                                                                                                                                                            ï
                                                                                                                                           28.9%; Score 31.5; DB 1; Length 20; 50.0%; Pred. No. 1.3e+02; tive 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                           Sequence 10, Application US/09130287

Patent No. 610684

GENERAL INFORMATION:
TITLE OF INVENTION: ANTIGEN 5

TITLE OF INVENTION: ANTIGEN 5

TITLE OF INVENTION: ANTIGEN 5

MUMBER OF SEQUENCES: 81

CORRESPONDENCE ADDRESS:

ADDRESSEE: David A. Jackson, Esq.

STREET: 411 Hackensack Ave, Continental Plaza, 4th

STREET: Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28.9%; Score 31.5; DB 3; Length 20; 50.0%; Pred. No. 1.3e+02; tive 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 07601

COMPUTER READABLE FORM:
MEDIUM TYRE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: DATEM: PC-DOS/MS-DOS
SOFTWARE: PatemtIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/130,287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/614,935
FILING DATE: 11-MAR-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
RECISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 26,742
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                          PNCGRNVVKA-YGL 16
                                                                                                                                                                                                                                 4 PNAGORMPRARYGL 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 PNAGQRMPRARYGL 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 28.9
Best Local Similarity 50.0
Matches 7; Conservative
                                                                                                                                                                                     Conservative
           MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-08-614-935-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                         Query Match
Best Local Similarity
Matches 7; Conserva
linear
                                                                                                                                                                                                                                                                                                                                                                US-09-130-287-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-130-287-10
                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                    ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
```

|| |: :: | ||| PNCGRNVVKA-YGL 16

셤

```
; Sequence 5, Application US/09509593
; Patent No. 6572860
; GENERAL INFORMATION:
; TITLE OF INVENTION: CONJUGATED POLYPEPTIDES FOR TREATING HERPES
; TITLE OF INVENTION: SIMPLEX VIRUS, COMPOSITIONS AND VACCINES CONTAINING SAME AND U
; TITLE OF INVENTION: THEREOF FOR TREATMENT OR PREVENTION OF HERPES SIMPLEX VIRUS AND I
; TITLE OF INVENTION: DIAGNOSTIC TOOL AND IN DIAGNOSTIC KIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
US-08-343-943-8
| Sequence 8, Application US/08343943
| Sequence 8, Application US/08343943
| Patent No. 5585248
| GENERAL INFORMATION:
| APPLICANT: ASHIDA, MASAAKI
| APPLICANT: HIRYASU, KAZUMARI
| APPLICANT: TSUCHIYA, MASAKAKU
| APPLICANT: TSUCHIYA, MASAKAKU
| TITLE OF INVENTION: METHOD FOR ASSAYING ACTIVITY OF
| TITLE OF INVENTION: THEREOF
| TITLE OF INVENTION: THEREOF
| TITLE OF SEQUENCES: 13
| CORRESPONDENCE ADDRESS:
| ADDRESSE: Sughrue, Mion, Zinn, Macpeak & Seas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 30; DB 1; Length 10;
Pred. No. 1.1e+02;
3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STARE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OCTUBEN 12 CONTROLLED 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 27.5
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 202-293-7860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 FGSDAGRMIP 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 FGPNAGQRMP 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acids
STRANDEDNESS: unk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-343-943-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-509-593-5
```

```
GENERAL INFORMATION:

APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Mame, Akinori
APPLICANT: Mame, Akinori
APPLICANT: Mame, Akino
APPLICANT: Mame, Akino
APPLICANT: Invama, Akino
APPLICANT: Invama, Akino
APPLICANT: Mame, Akino
APPLICANT: Mame, Akino
APPLICANT: Mame, Akino
APPLICANT: Mame, Akino
APPLICANT: 1990-09
TILE OF INVENTION: POPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: PCT/JP97/00740
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 27.5%; Score 30; DB 4; Length 15; Best Local Similarity 100.0%; Pred. No. 1.7e+02; Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 30; DB 5; Length 14;
Pred. No. 1.5e+02;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ANTI-SENSE: NO | IMMEDIATE SOURCE: Random Epitope Library Gamma PCT-US93-06751-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Search completed: June 20, 2005, 14:22:22 Job time : 17.15 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 9, Application US/09142524D; Patent No. 6719976
ATTORNEY AGENT INFORMATION:
NAME: MESTAGICH, ROY D.
REGISTRATION NUMBER: 30,777
REFERENCE/DOCKET NUMBER: 18614
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-4678
TELEPHONE: (908) 594-4678
TELEPHONE: (908) 594-4720
TELERX: (908) 594-4720
TELERX: (138825
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 27.5
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 OFGPNAGORM 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 RFGPGRGEGM 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 OFGPN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 OFGPN 5
                                                                                                                                                                                                                                                                                                                                                                                                                                       HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-142-524D-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 9
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PERSONAL 14
Sequence 64, Application PC/TUS9306751
Sequence 64, Application PC/TUS9306751
Sequence 64, Application PC/TUS9306751
Sequence 64, Application PC/TUS9306751
INTERIATION: Immunological Conjugates of OMPC and
TITLE OF INVENTION: Immunological Conjugates of OMPC and
TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
INTILE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes
CORESPONDENCE ADDRESS:
ADDRESSEE: Marck & Co., Inc.
STREET: P.O. Box 2000
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07065
COMPUTER: Floppy disk
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PPC Compatible
OPPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATON NUMBER: PCT/US93/06751
FILING DATE: 19930719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                       COUNTER: UC.

ZIP: 2231B. 233 Mhz Microprocessor OPERATING SYSTEM: Windows 98 SOFTWARE: Word 2000
CURRENT APPLICATION DATA: Word 2000
CURRENT APPLICATION NUMBER: US/09/509,593
FILING DATE: March 30, 2000
CLASSIFICATION: ATCORNATION:
NAME: Richard A. Steinberg
REGISTRATION NUMBER: 26,588
REFERENCE/DOCKET WUMBER: CELL-104
TELEPHONE: (703) 849-2282
TELEPHONE: (703) 849-2282
TELEPHONE: (703) 849-2282
TELEPHONE: 12 AMINO acids
TYPE: amino acids
TYPE: amino acids
TYPE: MOUNTERISTICS: LENGTH: 12 AMINO acids
TYPE: AMINO acids
TYPE: MOUNTERISTICS: LENGTH: 12 AMINO acids
TYPE: MOUNTERISTICS: LENGTH: 12 AMINO acids
TYPE: MOUNTERISTICS: LENGTH: TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 27.5%; Score 30; DB 4; Length 12; Best Local Similarity 66.7%; Pred. No. 1.3e+02; Matches 6; Conservative 1; Mismatches 2; Indels
     NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 413 N. Washington Street
CITY: Alexandria
STATE: Virginia
COUNTRY: UseA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: glycoprotein C
LOCATION: 128 to 139
IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRAGMENT TYPE: internal ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8 QRMPRARYG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 RRDPLARYG 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , OTHER INFORMATION US-09-509-593-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: HSV1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
```

Gaps

ö

ö

Gaps .

```
Sequence 61, Appl
Sequence 63, Appl
Sequence 515, Appl
Sequence 515, Appl
Sequence 69, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 25, Appl
Sequence 1274, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 62, App.
                                                                                                                                                           June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-354-240-62
US-10-354-240-61
US-10-354-240-63
US-10-354-240-60
US-10-012-542-515
US-10-1012-542-515
US-10-10-90-694A-69
US-10-468-543-7
US-10-688-543-7
US-10-888-543-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1714042 seqs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                              OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                 115
1 PRARYGLIHVANNNYDPWSI 20
                                                                                                                                                                                                                                                                                                                                                                                                  BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ü
                                                                                                                                                                                                                                                                                   US-09-202-464-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0
Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                              Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                     Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              333337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score
                                                                                                                                                                                                                                                                                                                                            Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Database
                                                                                                                                                                    Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Š
```

7. 20 15 US-10-10-998-89 Sequence 819 Sequence 819 17 14 US-10-100-608B-5 Sequence 85, 817 14 US-10-100-608B-5 Sequence 85, 817 14 US-10-099-791E-8 Sequence 85, 817 16 US-10-099-791E-8 Sequence 87, 819 16 US-10-652-407-44 Sequence 18, 913 US-10-1474-213-12 Sequence 23, 18 US-10-1414-176-29 Sequence 23, 19 US-10-1414-176-29 Sequence 23, 19 US-10-1414-176-29 Sequence 23, 19 US-10-1414-176-29 Sequence 24, 19 US-10-169-315-14 Sequence 16, 19 US-10-169-31-14 Sequence 16, 19 US-10-169-31-14 Sequence 16, 19 US-10-269-65-4 Sequence 16, 19 US-10-269-65-4 Sequence 16, 19 US-10-269-695-112 Sequence 17, 10 US-10-269-695-112 Sequence 17, 10 US-10-269-695-112 Sequence 17, 10 US-10-243-740-6 Sequence 17, 10 US-10-243-740-6 Sequence 17, 10 US-10-243-740-6 Sequence 17, 10 US-10-347-145B-102 Sequence 17, 10 US-10-347-145B-103 Sequence 17, 10 US-10-343-740-6 Sequence 17, 10 US-10-343-340-6 Sequence 17, 10 US-10-343-340-6 Sequence 17, 10 US-10-343-340-6 Sequence 17, 10 US-10-343-340-6 Sequence 17, 10 US-10-343-340-3 Sequence 17, 11, 11, 11, 11, 11, 11, 11, 11, 11,	14			2	1	0-00-00-01-	
32 27.8 17 14 US-10-100-608B-8 Sequence 32 27.8 17 14 US-10-100-608B-8 Sequence 32 27.8 17 16 US-10-100-608B-8 Sequence 32 27.8 17 16 US-10-099-791E-8 Sequence 31 27.0 12 16 US-10-099-791E-8 Sequence 31 27.0 12 16 US-10-61-156-85 Sequence 30 26.1 8 13 US-10-114-176-23 Sequence 30 26.1 8 14 US-10-114-176-23 Sequence 30 26.1 8 14 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-133-013-013-013-013-013-013-013-013-	14	33	28.7	20	15	-10-410-998-8	83
32 27.8 17 14 US-10-0608B-8 Sequence 32 27.8 17 16 US-10-099-791E-5 Sequence 31 27.0 14 17 16 US-10-652-407-44 Sequence 30 26.1 18 13 US-10-114-176-23 Sequence 30 26.1 18 14 US-10-131-013-23 Sequence 30 26.1 19 14 US-10-131-013-23 Sequence 30 26.1 19 14 US-10-131-013-29 Sequence 30 26.1 19 14 US-10-131-013-29 Sequence 30 26.1 19 14 US-10-131-013-29 Sequence 30 26.1 19 14 US-10-231-013-29 Sequence 30 26.1 19 14 US-10-231-013-29 Sequence 30 26.1 19 14 US-10-243-48 Sequence 30 26.1 19 16 US-09-966-18 Sequence 30 26.1 10 US-09-966-18 Sequence 30 26.1 10 US-09-966-18 Sequence 30 26.1 10 US-09-966-19 Sequence 30 26.1 10 US-09-966-19 Sequence 30 26.1 20 15 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-6 Sequence 29.5 25.2 20 14 US-10-323-013-31 Sequence 29.5 25.2 20		32	۲.		14	-10-10	'n
32 27.8 17 16 US-10-099-791E-5 Sequence 32 27.8 17 16 US-10-099-791E-8 Sequence 32 27.8 17 16 US-10-099-791E-8 Sequence 31 27.0 12 16 US-10-661-156-85 Sequence 30 26.1 14 17 US-10-661-156-85 Sequence 30 26.1 18 13 US-10-114-176-29 Sequence 30 26.1 18 14 US-10-323-013-29 Sequence 30 26.1 19 14 US-10-323-013-29 Sequence 30 26.1 19 14 US-10-323-013-29 Sequence 30 26.1 19 18 US-10-447-257-16 Sequence 30 26.1 19 18 US-10-46-628-16 Sequence 30 26.1 19 18 US-10-46-628-16 Sequence 30 26.1 14 US-10-254-905-48 Sequence 30 26.1 14 US-10-254-905-48 Sequence 30 26.1 16 10 US-09-972-666-782A-48 Sequence 30 26.1 16 10 US-09-972-666-782A-8 Sequence 30 26.1 16 10 US-09-972-666-782A-8 Sequence 30 26.1 16 10 US-09-972-666-782A-8 Sequence 30 26.1 20 15 US-10-496-628-1 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 29 25.2 7 20 14 US-10-249-656-4 Sequence 29 25.2 7 16 US-10-347-145B-138 Sequence 29 25.2 7 16 US-10-347-145B-138 Sequence 29 25.2 9 14 US-10-323-013-31 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 20 25.2 11 13 US-10-114-176-32 Sequ	15	32	7.		14	10-10	θ,
32 27.8 17 16 US-10-099-791E-8 Sequence 31 27.0 12 16 US-10-474-213-12 Sequence 31 27.0 12 16 US-10-651-16-85 Sequence 31 27.0 14 17 US-10-651-16-85 Sequence 30 26.1 8 13 US-10-114-176-23 Sequence 30 26.1 8 14 US-10-33-013-23 Sequence 30 26.1 9 14 US-10-33-013-23 Sequence 30 26.1 9 14 US-10-133-013-29 Sequence 30 26.1 9 14 US-10-147-157-16 Sequence 30 26.1 9 14 US-10-147-257-16 Sequence 30 26.1 9 14 US-10-254-905-48 Sequence 30 26.1 14 14 US-10-254-905-48 Sequence 30 26.1 14 14 US-10-254-905-48 Sequence 30 26.1 14 14 US-10-254-905-48 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 16 16 US-10-269-995-112 Sequence 30 26.1 20 15 US-10-40-998-11 Sequence 30 26.1 20 15 US-10-410-998-11 Sequence 30 25.2 7 16 US-10-243-740-5 Sequence 30 25.2 7 16 US-10-347-145B-138 Sequence 30 25.2 1 1 13 US-10-144-176-31 Sequence 30 25.2 1 1 13 US-10-144-176-31 Sequence 30 25.2 1 1 13 US-10-144-176-32 Sequence 30 25.2 1 1 1 13 US-10-144-176-32 Sequence 30 25.2 1 1 1 13 US-10-144-176-32 Sequence 30 25.2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16	32	7.		16	10-09	'n
32 27.8 19 16 US-10-474-213-12 Sequence 31 27.0 14 17 US-10-652-407-44 Sequence 31 27.0 14 17 US-10-652-407-44 Sequence 30 26.1 8 13 US-10-114-176-23 Sequence 30 26.1 9 13 US-10-114-176-23 Sequence 30 26.1 9 14 US-10-132-1013-29 Sequence 30 26.1 9 14 US-10-132-1013-29 Sequence 30 26.1 9 14 US-10-132-1013-29 Sequence 30 26.1 9 15 US-10-47-257-16 Sequence 30 26.1 9 15 US-10-47-257-16 Sequence 30 26.1 14 14 US-10-23-1013-29 Sequence 30 26.1 14 14 US-10-23-1013-29 Sequence 30 26.1 16 10 US-09-966-782A-48 Sequence 30 26.1 16 10 US-09-96-6-782A-48 Sequence 30 26.1 16 10 US-09-96-91 Sequence 30 26.1 16 10 US-09-96-91 Sequence 30 26.1 16 10 US-09-96-91 Sequence 30 26.1 20 15 US-10-65-006-4 Sequence 30 26.1 20 15 US-10-65-006-4 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-410-998-31 Sequence 29.5 25.2 7 16 US-10-410-998-31 Sequence 29.5 25.2 7 16 US-10-41176-31 Sequence 29.5 25.2 9 14 US-10-323-013-31 Sequence 29.5 25.2 11 13 US-10-98-584-13 Sequence 29.5 25.2 11 13 US-10-98-584-13 Sequence 29.5 25.2 11 13 US-10-98-584-13 Sequence 29.5 25.2 11 13 US-10-114-176-32 Sequence 29.5 25.2 11 13 US-10-114-176-32 Sequence 29.5 25.2 11 13 US-10-114-176-32 Sequence 29.5 25.2 11 13 US-10-98-584-13 Sequence 29.5 25.2 11 13 US-10-114-176-32 Sequence 29.5 25.2 11 13 US-10-243-44 Sequence 29.5 25.2 11 13 US-1	17	32	7.		16	10-09	equence 8,
31 27.0 12 16 US-10-661-144 Sequence 30 25.1 14 17 US-10-661-156-85 Sequence 30 26.1 18 13 US-10-114-176-29 Sequence 30 26.1 18 14 US-10-313-013-23 Sequence 30 26.1 9 14 US-10-323-013-29 Sequence 30 26.1 9 14 US-10-323-013-29 Sequence 30 26.1 9 14 US-10-169-351-14 Sequence 30 26.1 9 14 US-10-323-013-29 Sequence 30 26.1 9 15 US-10-447-257-16 Sequence 30 26.1 14 10 US-10-46-68-16 Sequence 30 26.1 14 10 US-10-46-68-16 Sequence 30 26.1 14 10 US-10-46-68-16 Sequence 30 26.1 16 10 US-10-97-66-8-4 Sequence 30 26.1 16 10 US-10-97-66-91 Sequence 30 26.1 16 10 US-10-97-66-91 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 29 25.7 20 14 US-10-26-96-95-112 Sequence 29 25.2 7 16 US-10-347-145B-138 Sequence 29 25.2 9 14 US-10-323-013-31 Sequence 29 25.2 9 14 US-10-323-013-31 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 25 25.2 11 13 US-10-114-176-32 Sequence 25 25.2 11 13 US-10-114-176-32 Sequence 27 10 US-10-98-81 Sequence 27 17 US-10-98-81 Sequence 27 10 US-	18	32	7		16	10-47	12,
31 27.0 14 17 US-10-661-166-85 Sequence 30 26.1 8 13 US-10-114-176-23 Sequence 30 26.1 8 14 US-10-23-013-23-013-23 Onto 26.1 9 14 US-10-13-013-23 Onto 26.1 9 14 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-13-013-29 Sequence 30 26.1 9 14 US-10-13-013-29 Sequence 30 26.1 14 10 US-09-96-16 Sequence 30 26.1 14 14 US-10-254-16 Sequence 30 26.1 14 14 US-10-254-905-48 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 20 15 US-10-269-695-81 Sequence 30 26.1 20 15 US-10-269-695-81 Sequence 30 26.1 20 15 US-10-269-695-81 Sequence 30 26.1 20 15 US-10-243-740-3 Sequence 30 26.1 20 15 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.2 3 14 US-10-243-740-3 Sequence 29.5 25.2 3 14 US-10-243-740-3 Sequence 29.5 2 20 14 US-10-98-84-967-13 Sequence 29.5 2 20 10 US-09-848-967-13 Sequence 29.5 2 20 10 US-09-848-967-13 Sequence 29.5 2 11 13 US-10-114-176-32 Sequence 20 25.2 11 13 US-10-114-176-32 Sequence 20	19	31	27.0		16	10-65	44
30 26.1 8 13 US-10-114-176-23 Sequence 30 26.1 8 14 US-10-132-1013-23 Sequence 30 26.1 9 14 US-10-132-1013-23 Sequence 30 26.1 9 14 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-114-176-29 Sequence 30 26.1 9 15 US-10-496-68-16 Sequence 30 26.1 9 15 US-10-47-257-16 Sequence 30 26.1 14 10 US-10-986-16 Sequence 30 26.1 14 14 US-10-28-16 Sequence 30 26.1 16 10 US-10-96-68-16 Sequence 30 26.1 16 10 US-10-96-68-16 Sequence 30 26.1 16 10 US-10-96-69-81 Sequence 30 26.1 16 10 US-10-96-69-81 Sequence 30 26.1 20 15 US-10-65-006-4 Sequence 30 26.1 20 15 US-10-65-006-4 Sequence 30 26.1 20 15 US-10-65-006-4 Sequence 29.5 25.7 20 14 US-10-410-998-11 Sequence 29.5 25.7 20 14 US-10-410-998-11 Sequence 29.5 25.7 20 14 US-10-37-145B-138 Sequence 29.5 25.2 7 16 US-10-37-145B-138 Sequence 29.5 25.2 9 14 US-10-323-013-31 Sequence 29.5 25.2 10 9 US-10-98-584-13 Sequence 29.5 25.2 11 13 US-10-114-176-32 Sequence 29.5 25.2	20	31	27.0		17	10-661-156-8	85,
30 26.1 8 14 US-10-114-176-29 Sequence 30 26.1 9 13 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-132-013-29 Sequence 30 26.1 9 15 US-10-447-257-16 Sequence 30 26.1 14 10 US-10-46-628-16 Sequence 30 26.1 14 10 US-10-96-628-16 Sequence 30 26.1 16 10 US-10-96-628-18 Sequence 30 26.1 16 10 US-10-96-628-18 Sequence 30 26.1 16 16 US-10-657-006-4 Sequence 30 26.1 20 15 US-10-86-98-112 Sequence 30 26.1 20 15 US-10-410-998-11 Sequence 30 26.1 20 15 US-10-410-998-11 Sequence 29 25.7 20 14 US-10-43-740-3 Sequence 29 25.2 7 16 US-10-43-740-3 Sequence 29 25.2 7 16 US-10-410-998-13 Sequence 29 25.2 9 14 US-10-31-31-31 Sequence 29 25.2 9 14 US-10-31-31-31 Sequence 29 25.2 10 9 US-10-31-31-31 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 20 25.2 11 13 US-10-114-176-32 Se	21	30	26.1		13	10-114-176-2	23,
30 26.1 9 13 US-10-114-176-29 Sequence 30 26.1 9 14 US-10-169-351-14 Sequence 30 26.1 9 14 US-10-169-351-14 Sequence 30 26.1 9 14 US-10-33-013-013-013-013-013-013-013-013-0	22	30	26.1		14	2	23,
30 26.1 9 14 US-10-169-351-14 Sequence 30 26.1 9 14 US-10-132-19 Sequence 30 26.1 9 14 US-10-321-199 Sequence 30 26.1 9 15 US-10-47-257-16 Sequence 30 26.1 14 10 US-10-96-628-16 Sequence 30 26.1 14 14 US-10-26-48 Sequence 30 26.1 14 14 US-10-26-48 Sequence 30 26.1 16 10 US-09-96-78-8 Sequence 30 26.1 16 10 US-09-96-78-8 Sequence 30 26.1 20 15 US-10-65-006-4 Sequence 30 26.1 20 15 US-10-65-095-81 Sequence 30 26.1 20 15 US-10-65-099-81 Sequence 30 26.1 20 15 US-10-410-998-11 Sequence 29.5 25.7 20 14 US-10-410-998-11 Sequence 29.5 25.7 20 14 US-10-410-998-12 Sequence 29.5 25.7 20 14 US-10-31-176-31 Sequence 29.5 25.2 7 16 US-10-347-145B-138 Sequence 29.5 25.2 9 14 US-10-323-013-31 Sequence 29.5 25.2 11 13 US-10-32-284-13 Sequence 29.5 25.2 11 13 US-10-114-176-32 Sequence 20.5 25.2 11 13 US-10-114-176-32 Sequence 20.5 25	23	30	26.1		13	N	29,
30 26.1 9 14 US-10-323-013-29 Sequence 30 26.1 9 15 US-10-447-257-16 Sequence 30 26.1 1 4 10 US-09-966-7824-8 Sequence 30 26.1 14 10 US-09-966-7824-8 Sequence 30 26.1 14 10 US-09-966-7824-8 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 20 15 US-10-269-695-81 Sequence 29.5 25.7 20 14 US-10-398-112 Sequence 29.5 25.7 20 14 US-10-347-1458-102 Sequence 29.5 25.2 7 16 US-10-347-1458-138 Sequence 29 25.2 7 16 US-10-347-1458-138 Sequence 29 25.2 9 14 US-10-323-013-1 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 20 25	24	30	26.1		14	Н	14,
30 26.1 9 15 US-10-496-628-16 Sequence 30 26.1 14 10 US-09-966-7824-8 Sequence 30 26.1 14 10 US-09-976-688-16 Sequence 30 26.1 14 10 US-09-972-686-4 Sequence 30 26.1 14 14 US-10-254-905-48 Sequence 30 26.1 16 16 US-10-972-686-4 Sequence 30 26.1 20 15 US-10-69-91-12 Sequence 30 26.1 20 15 US-10-269-695-81 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 29.5 25.7 20 14 US-10-410-998-112 Sequence 29.5 25.7 20 14 US-10-410-998-112 Sequence 29.5 25.7 20 14 US-10-410-998-113 Sequence 29 25.2 7 16 US-10-4145B-138 Sequence 29 25.2 9 14 US-10-3147-145B-138 Sequence 29 25.2 9 14 US-10-313-221B-57 Sequence 29 25.2 1 1 13 US-10-114-176-31 Sequence 29 25.2 1 1 13 US-10-114-176-32 Sequence 20 25.2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25	30	26.1		14	2	29,
30 26.1 9 18 US-10-496-628-16 Sequence 30 26.1 14 10 US-09-966-748 Sequence 30 26.1 14 14 US-10-254-968-8 Sequence 30 26.1 14 14 US-10-254-968-8 Sequence 30 26.1 16 10 US-09-966-748 Sequence 30 26.1 16 10 US-09-972-666-4 Sequence 30 26.1 20 15 US-10-657-0064 Sequence 30 26.1 20 15 US-10-269-691-8 Sequence 30 26.1 20 15 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-40-998-81 Sequence 29.5 25.7 20 14 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-41176-31 Sequence 29.5 25.2 7 16 US-10-41176-31 Sequence 29.5 25.2 9 14 US-10-323-013-31 Sequence 29.5 25.2 11 13 US-10-413-32 Sequence 29.5 25.2 11 13 US-10-414-176-32 Sequence 29.5 25.5 11 13 US-10-444-176-32 Sequence 29.5 25.5 11 US-10-444-186-144-176-32 Sequence 29.5 25.5 11 US-10-444-186-144-144-144-144-144-144-144-144-144-14	26	30	26.1		15	н	16,
30 26.1 14 10 US-09-966-782A-48 Sequence 30 26.1 14 10 US-09-976-78 Sequence 30 26.1 14 14 US-10-254-905-48 Sequence 30 26.1 16 10 US-09-972-656-4 Sequence 30 26.1 16 16 US-10-657-006-4 Sequence 30 26.1 20 15 US-10-269-69-81 Sequence 30 26.1 20 15 US-10-269-69-81 Sequence 30 26.1 20 15 US-10-269-69-81 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.2 7 16 US-10-347-145B-102 Sequence 29.5 25.2 7 16 US-10-347-145B-102 Sequence 29 25.2 9 14 US-10-347-145B-138 Sequence 29 25.2 9 14 US-10-347-145B-13 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 20 25.2 11 13 US-10-114-176-32	27	30	26.1		18	US-10-496-628-16	16,
30 26.1 14 US-10-254-905-48 Sequence 30 26.1 16 10 US-09-97-2656-4 Sequence 30 26.1 16 10 US-09-97-2656-4 Sequence 30 26.1 16 16 US-10-657-006-4 Sequence 30 26.1 20 15 US-10-269-695-81 Sequence 30 26.1 20 15 US-10-269-695-112 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-347-145B-102 Sequence 29.5 25.2 7 16 US-10-144-176-31 Sequence 29 25.2 9 14 US-10-347-145B-138 Sequence 29 25.2 9 14 US-10-313-13 Sequence 29 25.2 9 14 US-10-313-13 Sequence 29 25.2 1 1 13 US-10-144-176-31 Sequence 29 25.2 1 1 13 US-10-114-176-32 Sequence 20 25.2 1 1 13 US-10-114-176-32	28	30	26.1		10		48
30 26.1 16 10 US-09-972-666-4 Sequence 30 26.1 16 10 US-09-0706-4 Sequence 30 26.1 16 10 US-09-066-4 Sequence 30 26.1 20 15 US-10-657-006-4 Sequence 30 26.1 20 15 US-10-269-695-81 Sequence 30 26.1 20 15 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-4145B-102 Sequence 29.5 25.7 16 US-10-347-145B-103 Sequence 29.5 25.2 7 16 US-10-347-145B-138 Sequence 29.5 25.2 9 14 US-10-323-013-31 Sequence 29.5 25.2 9 14 US-10-323-013-31 Sequence 29.5 25.2 11 13 US-10-414-176-32 Sequence 29.5 25.2 11 13 US-10-114-176-32 Sequence 29.5 25.5 US-10-114-176-32 Sequence 29.5 25.5 US-10-114-176-32 Sequence 29.5 25.5 US-10-114-176-32 Sequence 20.5 25.5 US-1	29	30	26.1		14	US-10-254-905-48	48
30 26.1 16 16 US-10-657-006-4 30 26.1 20 15 US-10-269-691-81 30 26.1 20 15 US-10-269-691-81 30 26.1 20 15 US-10-269-691-81 30 26.1 20 15 US-10-410-998-81 29.5 25.7 20 14 US-10-243-740-3 29.5 25.7 20 14 US-10-243-740-3 29.5 25.7 20 14 US-10-243-740-3 29 25.2 7 16 US-10-347-145B-102 29 25.2 7 16 US-10-347-145B-102 29 25.2 9 14 US-10-347-145B-138 29 25.2 9 14 US-10-313-138 29 25.2 9 14 US-10-313-138 29 25.2 10 9 US-09-848-967-13 29 25.2 11 13 US-10-114-176-32	30	30	26.1		10	US-09-972-656-4	
30 26.1 20 15 US-10-269-655-81 Sequence 30 26.1 20 15 US-10-269-655-112 Sequence 30 26.1 20 15 US-10-169-695-112 Sequence 30 26.1 20 15 US-10-410-998-112 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-6 Sequence 29.5 25.7 7 16 US-10-347-145B-102 Sequence 29 25.2 7 16 US-10-347-145B-102 Sequence 29 25.2 9 14 US-10-312-321B-57 Sequence 29 25.2 9 14 US-10-313-31 Sequence 29 25.2 9 17 US-10-313-1 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 20 25.2 11 13 US-10-114-176-32	31	30	26.1		16	US-10-657-006-4	
30 26.1 20 15 US-10-269-655-112 Sequence 30 26.1 20 15 US-10-410-998-81 Sequence 30 26.1 20 15 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-410-998-81 Sequence 29.5 25.7 20 14 US-10-243-740-6 Sequence 29.5 25.7 7 16 US-10-347-145B-102 Sequence 29 25.2 7 16 US-10-347-145B-103 Sequence 29 25.2 9 13 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-323-013-31 Sequence 29 25.2 9 14 US-10-986-584-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 20 25.2 11 US-10-114-176-32 Sequence 20 25.2 11 US-10-114-176-32 Sequence 20 25.2 11 US-10-114-176-32 Sequence 20 25.2 US-10-114-176-32 Sequence 20	32	30	26.1		15	US-10-269-695-81	
30 26.1 20 15 US-10-410-998-81 Sequence 29.5 26.1 20 14 US-10-410-998-112 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-6 Sequence 29.5 25.7 20 14 US-10-247-145B-102 Sequence 29 25.2 7 16 US-10-347-145B-138 Sequence 29 25.2 9 13 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-347-145B-138 Sequence 29 25.2 9 14 US-10-320-21B-57 Sequence 29 25.2 9 17 US-10-985-54-13 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 39 25.2 11 13 US-10-114-176-32 Sequence 30 US-10-114-176-32 Seq	33	30	26.1		15	11	
30 26.1 20 15 US-10-410-998-112 Sequence 29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-6 Sequence 29.5 25.2 7 16 US-10-347-145B-102 Sequence 29 25.2 7 16 US-10-347-145B-102 Sequence 29 25.2 9 13 US-10-141-176-31 Sequence 29 25.2 9 14 US-10-323-013-31 Sequence 29 25.2 9 17 US-10-323-013-31 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 29 25.2 11 13 US-10-114-176-32	34	30	26.1		15	US-10-410-998-81	
29.5 25.7 20 14 US-10-243-740-3 Sequence 29.5 25.7 20 14 US-10-243-740-6 Sequence 29.5 25.7 7 16 US-10-347-145B-102 Sequence 29 25.2 7 16 US-10-347-145B-138 Sequence 29 25.2 9 14 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-985-284-13 Sequence 29 25.2 11 13 US-10-148-267-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 39 25.2 11 13 US-10-114-176-32 Sequence 39 25.2 11 13 US-10-114-176-32	35	30	26.1		15	1	
29.5 25.7 20 14 US-10-243-740-6 Sequence 29 25.2 7 16 US-10-347-145B-102 Sequence 29 25.2 7 16 US-10-347-145B-102 Sequence 29 25.2 9 13 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-303-212B-57 Sequence 29 25.2 9 14 US-10-303-013-31 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 25 25.2 11 13 US-10-114-176-32 Sequence 25 25.2 11 US-10-114-176-32 Sequence 25 25.2 11 US-10-114-176-32 Sequence 25 25 25 25 25 25 25 25 25 25 25 25 25		6	25.7		14	-10-243-740	
29 25.2 7 16 US-10-347-145B-102 Sequence 29 25.2 7 16 US-10-347-145B-138 Sequence 29 25.2 7 16 US-10-341-145B-138 Sequence 29 25.2 9 13 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-032-221B-57 Sequence 29 25.2 9 17 US-10-985-584-13 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 25.2 11 13 US-10-114-176-32 Sequence 3 25.2 11 13 US-10-114-176-32		6.	25.7		14	-10-243-740-6	
29 25.2 7 16 US-10-347-145B-138 Sequence 29 25.2 9 13 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-032-221B-57 Sequence 29 25.2 9 14 US-10-932-321B-57 Sequence 29 25.2 9 17 US-10-986-584-13 Sequence 29 25.2 10 10 US-09-848-967-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence	38	59	25.2		16	-10-347-145B-10	
29 25.2 9 13 US-10-114-176-31 Sequence 29 25.2 9 14 US-10-32-2218-57 Sequence 29 25.2 9 17 US-10-323-013-31 Sequence 29 25.2 9 17 US-10-985-584-13 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence	39	53	25.2		16	-10-347-145B-13	
29 25.2 9 14 US-10-032-221B-57 Sequence 29 25.2 9 14 US-10-323-013-31 Sequence 29 25.2 9 17 US-10-985-564-13 Sequence 29 25.2 10 9 US-09-848-967-13 Sequence 29 25.2 11 13 US-10-114-176-32 Sequence 3 ALIGNMENTS	40	53	25.2		13	-10-114-176-3	
29 25.2 9 14 UG-10-323-013-31 Sequence 31, 29 25.2 10 9 US-10-9985-584-13 Sequence 13, 29 25.2 11 13 US-10-114-176-32 Sequence 13, ALIGNMENTS	41	53	25.2		14	32-221B-5	
29 25.2 9 17 US-10-985-584-13 Sequence 13, 29 25.2 10 9 US-09-848-967-13 Sequence 13, 29 25.2 11 13 US-10-114-176-32 Sequence 32, ALIGNMENTS	42	53	25.2		14	323-013-3	31,
29 25.2 10 9 US-09-848-967-13 Sequence 13, P 29 25.2 11 13 US-10-114-176-32 Sequence 32, ALIGNMENTS	43	53	25.2		17	985-584-1	13,
29 25.2 11 13 US-10-114-176-32 Sequence 32, ALIGNMENTS	44	53	25.2		σ	-09-848-967-1	equence 13, P
ALIGNMENTS	45	29	25.2		13	-10-114-176-3	equence 32,
						ALIGNMENTS	
	SULT 1						٠
SULT 1	-10-354-7 Semience	40-04	יותי	arion 119	/107	54240	
EBSULT 1 US-10-354-240-62 : Sequence 62, Application US/10354240	Publication No. US20030185847A1	on No	US2	00301858	47A		

```
US-10-354-240-62

Sequence 62, Application US/10354240

Sequence 62, Application US/10354240

Sequence 62, Application US/10354240

Sequence 62, Application Wo. US2030185847A1

GENERAL INFORMATION:

APPLICANT: Sume, Akinori

APPLICANT: Wama, Akinori

APPLICANT: Wama, Akinori

APPLICANT: Wama, Akinori

APPLICANT: Wino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REPERBUCE: SPO-10311

CURRENT PELLING DATE: 1907-03-10

PRIOR APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR APPLICATION WHERE: US 09/142,524

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PRT

CORGATIONS: 174

SEQ ID NO 62

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE:

CONTINE: NUMBER: OF SEATURE

CONTINE: NUMBER: OF SEATURE

CONTINE: NUMBER: UNCORMATION: Cryll peptide, Figure 1, Row 48

US-10-354-240-62

OWERY MARCH

TZ-28; SCOTE 83; DB 14; Length 15;

Best Local Similarity 86.7%; Pred; NO: 1.2e-05;

MARCHES 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Sequence 60, Application US/10354240

Sequence 60, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Mame, Akinori

APPLICANT: Worklewer

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION UNMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1999-03-10

PRIOR FILING DATE: 1998-09-09

MINNER OF CONTROL OF CO
                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JERGEMALION STATEMENT OF A TITLE OF INVENTION: 94 Human Secreted Proteins
FILE REFERENCE: PAGG 9P1
CURRENT APPLICATION NUMBER: US/10/012,542
CURRENT FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: BALLIER APPLICATION NUMBER: 09/461,325
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 06/089,507
PRIOR FILING DATE: EARLIER FILING DATE: 1999-06-16
PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
PRIOR PILING DATE: EARLIER FILING DATE: 1998-06-21
PRIOR PILING DATE: EARLIER FILING DATE: 1998-06-22
PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 53; DB 14; Length 15;
Pred. No. 0.46;
                                       DB 14; Length 15;
                                                                                                                          0, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; LOCATION: (1). T(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row US-10-354-240-60
                                       Score 58; DB 14;
Pred. No. 0.079;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 515, Application US/10012542; Publication No. US20030044851A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     46.1%;
                                           50.4%;
90.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 90.0°
                                       Query Match
Best Local Similarity 90.0
Matches 9; Conservative
                                                                                                                                                                                                                 20
                                                                                                                                                                                                                                                             1 PRARYGLIHV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ||||||||:||
6 PRARYGLVHV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                        11 ANNNYDPWSI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-012-542-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 15
                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 63. Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Mame, Akinori

APPLICANT: Name, Akinori

APPLICANT: Name, Akinori

APPLICANT: Name, Akiko

FILE REFERENCE: SPO-103D1

CURRENT PELING DATE: 2003-01-29

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1996-09-09

PRIOR FILING DATE: 1996-09-09

NUMBER OF SEQ ID NOS: 174

SSOTTARE: Patentin version 3.1

LENGTH: 15
                                                                                                                                                                                                                                                             Sequence 61. Application US/10354240

| Sequence 61. Application No. US20030185847A1
| GENERAL INFORMATION:
| APPLICANT: Sone, Toshio
| APPLICANT: Wamma, Akiko
| APPLICANT: Iwamma, Akiko
| APPLICANT: Iwamma, Akiko
| APPLICANT: Iwamma, Akiko
| APPLICANT: Wallow | W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        71.3%; Score 82; DB 14; Length 15
93.3%; Pred. No. 1.8e-05;
tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC_FEATURE
CCATION: (1)...(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 47
US-10-354-240-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; NAME/KEY:
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 49
US-10-354-240-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Cryptomeria japonica
6 GLIHVANNNYDPWSI 20
                                           ||:|||||||:|
1 GLVHVANNNYDPWTI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 PRARYGLIHVANNNY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 PRARYGLVHVANNNY 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                    US-10-354-240-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-354-240-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
    ઠે
                                                                              ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        유
```

```
PRIOR FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 117
SOFTWARE: Patentin version 3.2
SEQ ID NO 69
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Maackia amurensis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12 NNNYDPW 18
                                                                                                                                                                            TYPE: PRT ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 NVNYNPW 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 NNYDPW 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 HSYDPW 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JS-10-468-543-25
                                                                                                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
0
                                                                                                                                                                                                                                                                              Score 37; DB 14; Length 16;
Pred. No. 1.3e+02;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32.2%; Score 37; DB 14; Length 16; 55.6%; Pred. No: 1.3e+02; tive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JUNEARL LINGUARDINE SITE OF INVERTION SITE OF STATE OF ST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-300-694A-69
; Sequence 69, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INPORMATION:
; APPLICANT: Duke University
; APPLICANT: Grinstaff, Mark W.
; APPLICANT: Malsh, Elisabeth B.
; APPLICANT: Middleton, Crystan
; TILLE OF INVENTION: INTERPACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT FALLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 515, Application US/10115123; Publication No. US20030065151A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                  32.2%;
NUMBER OF SEQ ID NOS: 532
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 515
                                                                                                                                                                                                                                                                                  Query Match 32.2
Best Local Similarity 55.6
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 55.6
Matches 5; Conservative
                                                                                                                                           ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-515
                                                                                                                                                                                                                                                                                                                                                                                                                             11 ANNNYDPWS 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S SNGNLDPWA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 ANNNYDPWS 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SNGNLDPWA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-115-123-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-115-123-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 В
```

```
APPLICANT: Irimura, Tatsuro
APPLICANT: Matsumoto, Mariko
APPLICANT: Wim, Mijung
APPLICANT: Yim, Mijung
APPLICANT: Vim, Mijung
APPLICANT: Vim, Mijung
TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
FILE REFERENCE: 03-786
CURRENT APPLICATION NUMBER: US/10/468,543
CURRENT FILING DATE: 2003-08-20
PRIOR FILING DATE: 2001-02-20
NUMBER OF SEQ ID NOS: 95
SOFTWARE: Patentin version 3.1
SEQ ID NO 7
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Irimura, Tateuro
APPLICANT: Irimura, Tateuro
APPLICANT: Irimura, Tateuro
APPLICANT: Mateumoto, Mariko
APPLICANT: Mateumoto, Mariko
APPLICANT: Min, Mijung
APPLICANT: Ono, Takashi
TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
FILE REFERENCE: 03-786
CURRENT APPLICATION NUMBER: US/10/468,543
CURRENT FILING DATE: 2001-08-20
RIOR FILING DATE: 2001-02-20
NUMBER OF SEQ ID NOS: 95
SOFTWARE: Patentin version 3.1
SEQ ID NO 5: 55
LENGTH: 11
                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                     Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 11;
                                                                                 Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 33; DB 15; Length 11
Pred. No. 3.7e+02;
2; Mismatches 0; Indels
                                                                                                                                  1; Indels
; OTHER INFORMATION: Polycarbonate-binding peptide 69
US-10-300-694A-69
                                                                            Query Match
30.4%; Score 35; DB 14;
Best Local Similarity 71.4%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 25, Application US/10468543
Publication No. US20040091938A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                 Sequence 7, Application US/10468543
Publication No. US20040091938A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 28.7%;
Best Local Similarity 66.7%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Maackia amurensis
US-10-468-543-7
```

ઠે g

```
Sequence 89, Application US/10269695
; Sequence 89, Application US/10269695
; Publication No. US20030229023A1
; GENERAL INFORMATION:
; APPLICANT: OLINER, JONATHAN DANIEL
; APPLICANT: OLINER, JONATHAN DANIEL
; APPLICANT: OLINER, JONATHAN DANIEL
; APPLICANT: MIN, HOSUNG
; TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOPOIETIN-2
; FILE REFERENCE: A-801A
; CURRENT APPLICATION NUMBER: US 60/414,155
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/414,155
; PRIOR APPLICATION NUMBER: US 60/228,624
; PRIOR FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 359
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 89
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
PEATURE:
OTHER INFORMATION: MAP TO AC007275.3
OTHER INFORMATION: EXPRESSED IN HELLOO, SIGNAL = 3.8
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5
OTHER INFORMATION: EXPRESSED IN BALLN, SIGNAL = 4.3
OTHER INFORMATION: EXPRESSED IN BARIN, SIGNAL = 3.6
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.6
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.7
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.2
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.2
OTHER INFORMATION: EXPRESSED IN BELA, SIGNAL = 5.2
OTHER INFORMATION: EXPRESSED IN BELA, SIGNAL = 5.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 33; DB 9; Length 19;
Pred. No. 6.5e+02;
4; Mismatches 2; Indels
                PRIOR APPLICATION UNDER: PCT/USO1/00664
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR PILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR PILING DATE: 2001-01-29
NUMBER: OF SEQ ID NOS: 49117
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28.7%;
40.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 40.0
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 RARYGLIHVA 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   S KRNYGILHIA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) OTHER INFORMATIC
US-09-864-761-34455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-269-695-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WESULT 11

US-09-64-761-34455

Squence 34455, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Rank, David R.

APPLICANT: Rank, David R.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR ITLE OF INVENTION: HOWN EXPRESSION ANALYSIS BY MICROARRAY

TITLE OF INVENTION: GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR STILE OF INVENTION: HOWNER: US/09/664,761

CURRENT APPLICATION NUMBER: US/09/664,761

CURRENT PAILNG DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR PRILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-06-38

PRIOR FILING DATE: 2000-106-38

PRIOR FILING DATE: 2000-106-38

PRIOR FILING DATE: 2000-106-38

PRIOR FILING DATE: 2000-106-39

PRIOR FILING DATE: 2000-10-30

PRIOR APPLICATION NUMBER: US 60/23,356

PRIOR FILING DATE: 2000-10-30

PRIOR FILING DATE: 2000-10-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PLILING DATE: 2001-30

PRIOR PLILING DATE: 2001-01-30

PRIOR PLILING DATE: 2001-01-30

PRIOR PLILING DATE: 2001-01-30

PRIOR PLILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Leach, Martin D.
TITLE OF INVENTION: NUCLEIC ACIDS CONTAINING SINGLE NUCLEIC ACID POLYMORPHISMS AND ME
TITLE OF INVENTION: USE THEREOF
FILE REPREBLOCE: 15566-559
CURRENT PILING DATE: 2004-03-29
PRIOR PELICATION NUMBER: 60/163,783
PRIOR PELICATION NUMBER: 60/163,783
PRIOR FILING DATE: 1999-11-24
NUMBER OF SEQ ID NOS: 1468
SOFTWARE: Curaden Patent Formatter Version 0.9
SEQ ID NO 1274
                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                               .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               h Similarity 57.1%; Score 33; DB 16; Length 14; Similarity 57.1%; Pred. No. 4.7e+02; 4; Conservative 3; Mismatches 0; Indels
                                                       28.7%; Score 33; DB 15; Length 11; 66.7%; Pred. No. 3.7e+02; ive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1274, Application US/10813638 Publication No. US20040235026A1 GENERAL INFORMATION: APPLICANT: Shimkets, Richard A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (7)...(0); OTHER INFORMATION: cSNP translation US-10-813-638-1274
                                                                                                                        4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14 NYDPWSI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :|:|||:
6 SYNPWSL 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 4; Conserv
                                                                                        Best_Local Similarity
Matches 4; Conserv
                                                                                                                                                                                          13 NNYDPW 18
                                                                                                                                                                                                                              ::||||
6 HSYDPW 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: VARIANT
                                                                                                                                                                                                                                                                                                                                                                                -10-813-638-1274
US-10-468-543-25
                                                                 Query Match
```

ò g

```
Search completed: June 20, 2005, 15:55:18
Job time : 54.45 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 55.6
Matches 5; Conservative
                                          SNNNFLTWS 14
       11 ANNINYDPWS 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11 ANNNYDPWS 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :|||: ||
6 SNNNFLTWS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 17
TYPE: PRT
ORGANISM: Human
                                                                                                                                                                           RESULT 15
US-10-100-608B-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-100-608B-8
                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 89, Application US/10410998

Publication No. US2003026193A1

GENERAL INFORMATION:
APPLICANT: OLINER, JONATHAN DANIEL
APPLICANT: OLINER, JONATHAN DANIEL
TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOPOIETIN-2
FILE REFERENCE: A-801A
CURRENT PILING DATE: 2003-40-09
PRIOR APPLICATION NUMBER: US/10/410,998
CURRENT PILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/414,155
PRIOR APPLICATION NUMBER: US 60/414,155
PRIOR PILING DATE: 2002-09-27
PRIOR FILING DATE: 2002-09-27
PRIOR FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 359
SOFTWARE: PatentIn version 3.1
LENGTH . 20
                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                    Query Match 28.7%; Score 33; DB 15; Length 20; Best Local Similarity 66.7%; Pred. No. 6.8e+02; Matches 4; Conservative 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 27.8%; Score 32; DB 14; Length 17; Best Local Similarity 55.6%; Pred. No. 8.2e+02; Matches 5; Conservative 2; Mismatches 2; Indels
                                , OTHER INFORMATION: Polypeptide capable of binding to Ang-2 US-10-269-695-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28.7%; Score 33; DB 15; Length 20; 66.7%; Pred. No. 6.8e+02; ive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Polypeptide capable of binding to Ang-2 US-10-410-998-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SECULATE OF A PAPILCATION US/10100608B
PUBLICATION NO. US20030104412A1
GENERAL INFORMATION:
APPLICANT: Heiskala, Marja
FILE REFERENCE: CDS-261-IKE PROTEIN
FILE REFERENCE: CDS-261-IKE PROTEIN
CURRENT APPLICATION NUMBER: US/10/100,608B
CURRENT FILING DATE: 2002-09-10
PRIOR FILING DATE: 2002-03-16
NUMBER: OF SEQ ID NOS: 45
SEQ ID NO 5
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match
Best Local Similarity 66...
A; Conservative
                                                                                                                                                                                                                                                                            14 NYDPWS 19
                                                                                                                                                                                                                                                                                                                   |:|||:
8 NWDPWT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 NYDPWS 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |:|||:
8 NWDPWT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) ORGANISM: Human
US-10-100-608B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-410-998-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-100-608B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27.8%; Score 32; DB 14; Length 17; 55.6%; Pred. No. 8.2e+02; tive 2; Mismatches 2; Indels
Sequence 8, Application US/10100608B; Publication No. US20030104412A1
GENERAL INFORMATION:
APPLICANT: Heiskala, Marja;
TITLE OF INVENTION: REG-LIKE PROTEIN
FILE REFERENCE: CDS-261
CURRENT FAPLICATION NUMBER: US/10/100,608B; CURRENT FILING DATE: 2002-09-10
PRIOR APPLICATION NUMBER: 60/276,414
PRIOR APPLICATION NUMBER: 60/276,414
PRIOR FILING DATE: 2002-03-16
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
```

THIS PAGE BLANK (USPTO)

```
US-08-467-023-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 49, Appl
                                                                                                                   June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence Seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence Sequence Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-467-023-49

US-08-467-023-258

US-09-142-524D-62

US-09-142-524D-63

US-09-142-524D-63

US-08-467-023-50

US-08-467-023-48

US-08-467-023-48

US-08-290-448A-55

US-08-290-448A-55

US-08-290-448A-28

US-08-490-153-515

US-09-490-153-207

US-09-490-153-207

US-09-490-153-207

US-09-490-153-207

US-09-490-153-207

US-09-490-153-207

US-09-490-153-207
                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                       513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries
                                                                              protein search, using sw model
                                                                                                                                                                                                     US-09-202-464-26
115
1 PRARYGLIHVANNNYDPWSI 20
                                                                                                                                                                                                                                                                                        BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Issued_Patents_AA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                          seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB
Maximum DB
                                                                              OM protein
                                                                                                                                                                                                                                                   Sequence:
                                                                                                                                                                                                                                                                                                                                                         Searched:
                                                                                                                       Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Result
```

```
Sequence 180, App
Sequence 23, Appl
Sequence 23, Appl
Sequence 29, Appl
Sequence 29, Appl
Sequence 21, Appl
Sequence 22, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 32, Appl
Sequence 26, Appl
Sequence 56, Appl
Sequence 56, Appl
Sequence 56, Appl
Sequence 25, Appl
Sequence 25, Appl
US-09-490-153-180
US-09-490-324-180
US-09-490-324-180
US-09-561-3668-23
US-08-438-123-9
US-08-438-123-9
US-08-217-704C-3
US-08-217-704C-3
US-09-561-3668-31
US-10-114-176-32
US-09-561-3668-32
US-09-561-3668-32
US-09-561-3668-32
US-07-657-7698-56
US-08-107-6848-19
US-08-107-6848-19
                                                                                                                                                                                       ALIGNMENTS
```

```
GENERAL INFORMATION:

APPLICANT Griffeth, Irwin J.;

APPLICANT Griffeth, Irwin J.;

APPLICANT Garman, Richard D.;

APPLICANT Bond, Julian F.;

APPLICANT Garman, Richard D.;

APPLICANT Yeung, Siu-mei H.;

APPLICANT Exley, Mark A.;

APPLICANT Exley, Mark A.;

APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:

ADDRESSE: ImmuLogic Pharmaceutical Corporation, Inc.

STREET: 610 Lincoln St

CITY: Waltham

STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
              ; Sequence 49, Application US/08467023
; Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: pepti
FRAGMENT TYPE: inter
                                                                                                                                                                                                                                                                                                                                                                                                                                                             MA
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
```

```
US-09-142-524D-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                Gaps
                                                                                                                                                                                                                                  Sequence 258, Application US/08467023
; Sequence 258, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
    APPLICANT: GIFFET, Irwin J.;
    APPLICANT: Bollock, Joanne;
    APPLICANT: Bond, Julian F.;
    APPLICANT: Bond, Julian F.;
    APPLICANT: More Mei-chang;
    APPLICANT: Mei-chang;
    APPLICANT: More Mei-chang;
    APPLICANT: Mark A.;
    APPLICANT: Andrew;
    APPLICANT: Andrew;
    APPLICANT: Mark A.;
    APPLICANT: Andrew;
    APPLICANT: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
    CITY: Waltham
    STATE: MA
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90.4%; Score 104; DB 3; Length 19; 89.5%; Pred. No. 1.7e-09; Live 2; Mismatches 0; Indels
                                          96.5%; Score 111; DB 3; Length 20; 90.0%; Pred. No. 1.5e-10; Live 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:

MEDIUM TYPE: Flopyd disk
COMPUTER: Flopyd disk
COMPUTER: Flopyd disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIPICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,972
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                           1 PRARYGLIHVANNNYDPWSI 20
                                                                                                                                                                      1 PRARYGLVHVANNNYDPWTI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 RARYGLIHVANNNYDPWSI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RARYGLVHVANNNYDPWTI 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 258:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 89.5'
                                                                     Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                RESULT 2
US-08-467-023-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-467-023-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Wa.
STATE: M.
US-08-467-023-49
                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                ઠે
                                                                                                                                                                                          셤
```

RESULT 3

```
Sequence 62, Application US/09142524D

Sequence 62, Application US/09142524D

Sequence 719976

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Nama, Akinori

APPLICANT: Inwama, Akiko

APPLICANT: Inwama, Akiko

APPLICANT: Inwama, Akiko

APPLICANT: Nama, Akiko

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 61, Application US/09142524D

Sequence 61, Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Wime, Akinori

APP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 82; DB 4; Length 15;
Pred. No. 3.2e-06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 48
US-09-142-524D-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          i LOCATION: (1). [(15)
i OTHER INFORMATION: Cryjl peptide, Figure 1, Row 47
US-09-142-524D-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 72.2%; Score 83; DB 4; Le
Best Local Similarity 86.7%; Pred. No. 2.2e-06;
Matches 13; Conservative 2; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        71.3%;
93.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 GLIHVANNNYDPWSI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ||:||||||||:|
1 GLVHVANNNYDPWTI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
```

```
APPLICANT: Sone, Toshio
APPLICANT: Kune, Akinori
APPLICANT: Wame, Akiko
APPLICANT: Wame, Millor Kolbauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PUT/JP97/00740
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       46.1%; Score 53; DB 4; Length 15; 90.0%; Pred. No. 0.093; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                  NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/FOOKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPAS: (617) 227-5941
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
NAMB/KEY: MISC FEATURE
LOCATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 46
US-09-142-524D-60
                                                                                                                                                                                                                                                                                                                                                                                               Score 58; DB 3;
Pred. No. 0.022;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 60, Application US/09142524D
Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 48, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Yeung, Siu-mei H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 90.0.
                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 ANNNYDPWTI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11 ANNNYDPWSI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 PRARYGLIHV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 PRARYGLVHV 15
                                                                                                                                                                                                                                               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JS-09-142-524D-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 8
US-08-467-023-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                       TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: US/09/0040
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 63
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USENDEARL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bollock, Joanne,
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Kvung, Sil-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANTON: Japanese Cedar Pollen
NUMBER OF INVENTION: Japanese Cedar Pollen
CCTTY: Waltham
STATE: MA
CCURESPONDENCE ADELSS:
ADDRESSE: ImmuLogic Pharmaceutical Corporation, Inc.
STREE: 610 Lincoln St
CCTTY: Waltham
STATE: MA
COMPUTR: READABLE FORM:
MEDIUM TYPE: BA PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION NUMBER: US/08/255
FILING DATE: DATE.
APPLICATION NUMBER: DATA
PRICASIFICATION NUMBER: DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50.4%; Score 58; DB 4; Length 15; 90.0%; Pred. No. 0.016; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 49
VS-09-142-524D-63
                                    ; Sequence 63, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 50, Application US/08467023 Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: December 6, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Cryptomería japonica
                                                                                        GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Ikana, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 90.0
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 ANNNYDPWSI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 ANNNYDPWTI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
```

요 ઠે

```
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,448A
FILING DATE: ANGUST 15, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: MAY 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: MARCH 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: AMY E. MANGRAGOURGS
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (617)227-5941
INPORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6 GLIHVANNNYDPW 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GFFQVVNNNYDRW 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 61.5
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 60 State Stre
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-290-448A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-290-448A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: ROGER, Bruce
APPLICANT: Riapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kan, Mei-chang
APPLICANT: Kuo, Mei-chang
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CULTY: Waltham
STATE: MA
CCUNTX: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 46.1%; Score 53; DB 3; Length 20; Best Local Similarity 90.0%; Pred. No. 0.13; Matches 9; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION WIMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/POCKET NUMBER: 38,872
REFERENCE/POCKET NUMBER: 38,872
REFERENCE/POCKET NUMBER: 38,872
RELEPHONE: (617) 227-7400
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 227-7400
FINEMENT: (617) 227-7400
FINEMEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-290-448A-55; Sequence 55, Application US/08290448A; Patent No. 5676954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 PRARYGLIHV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                   02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-467-023-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                      Patent No. 5698204

GENERAL INFORMATION:

RAPLICANT: Riapper, Bruce

APPLICANT: Rapper, David G.

APPLICANT: Rapper, Thorunn

APPLICANT: Rafnar, Thorunn

APPLICANT: ALO, Mei-chang

TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses

NUMBER OF SEQUENCES: 93

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD

STREET: 60 State Street, suite 510
                                                               ;
0
43.5%; Score 50; DB 1; Length 17; 61.5%; Pred. No. 0.31;
                                                               5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,448A
FILING DATE: August 15, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: March 17, 1989
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REFERENCE/DOCKET NUMBER: 36,207
REFERENCE/COCKET NUMBER: 36,207
REFERENCE/COCKET NUMBER: MI-018CN
TELECOMMUNICATION INFORMATION:
```

```
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ద
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                            APPLICANT: Rogers, Bruce
APPLICANT: Rafnar, Thorun
APPLICANT: Rafnar, Thorun
APPLICANT: Ruo, Mel-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIEIN **-
CTTV*-
CTTV*-
CTTV*-
                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                    DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 17;
                                                                                                                                                      5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Boscon
STATE: Massachusetts
COUTRY: USA
COUPER: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PROCOMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PAPLICATION NUMBER: US/08/175,069A
PILING DATE: December 29, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/0529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/529,951
FILING DATE: March 17, 1989
ATTORNEY AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REPERENCE/DOCKET NUMBER: 1MI-018DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227.7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     43.5%; Score 50; 61.5%; Pred. No.
                                                                                                                    Score 50;
Pred. No.
                                                                                                                                                                                                                                                                                          US-08-175-069A-55
; Sequence 55, Application US/08175069A
Patent No. 5776761
; GENERAL INFORMATION:
                                                                                                                                                      ö
                                                                                                                    43.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 GLIHVANNNYDPW 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GFFQVVNNNYDRW 13
17 amino acids
amino acid
                                                                                                                                                                                     6 GLIHVANNNYDPW 18
                                                                                                                                                                                                                       1 GFFQVVNNNYDRW 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 61.5
Matches 8; Conservative
                                                                                                                Query Match
Best Local Similarity 61.5
Matches 8; Conservative
                                             MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
                              TOPOLOGY:
                                                                                  US-08-290-448A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-175-069A-55
                                                                                                                                                                                                                   음
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                         ઠે
```

RESULT 12

```
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorum
APPLICANT: Ruo, Mei-chang
TITLE OF INVENTION: Methods For Treating Sensitivity To A
TITLE OF INVENTION: Protein Allergen Using Peptides Which Inlcude A T Cell Epitope
NUMBER OF SEQUENCES: 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Rogers, Bruce
APPLICANT: Rapper, David G.
APPLICANT: Rafner, Thorunn
APPLICANT: Rue, Mei-chang
TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 3; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 02109-1875
CMPUTER READABLE FORM:
MEDIUM TYEE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,939B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 50; DB 3
Pred. No. 0.31;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/464,000
FILING DATE: 05-UNN-1995
APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1999
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTAATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 11MI-018CNDV
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                    COCKFIELD, LLP
   Application US/08461939B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-464-000-55; Sequence 55, Application US/08464000 Patent No. 6335020; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        43.5%;
                                                                                                                                                                                                                                                                                                           STREET: 28 State Street CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (617) 742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 GLIHVANNNYDPW 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 61.5
8, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GFFQVVNNNYDRW 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                        Massachusetts
: USA
                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
TOPOLOGY: linear
Sequence 55, Applicat:
Patent No. 6335019
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-461-939B-55
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28, Application US/08290448A
Patent No. 5698204
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Rapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Rafnar, Schar Chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
ADDRESSEE: LAHIVE & COCKFIELD
ADDRESSEE: LAHIVE & COCKFIELD
ADDRESSEE: LAHIVE & COCKFIELD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ä
                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 35.2%; Score 40.5; DB 1; Length 15; Best Local Similarity 50.0%; Pred. No. 7.8; Matches 8; Conservative 2; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: MASSACHUSECTS
CUDUTEX: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUW TYEE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,448A
FILING DATE: August 15, 1994
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: Max 29, 1990
ATTORNEY/AGENT INFORMATION:
NAME: AMP E MANCHAGOURAS
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragourae
REGIGSTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MIN-018CN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-5941
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 PRARYGLIHVANNYD 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 || |:| : || ||
1 PR-RFGFFQIVNNFYD 15
                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                       TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                   US-08-290-448A-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 3; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5; Indels
                                                                             COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENT PP-10, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,000
FILING DATE: 05-JUN-1995
PRIOR APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1990
APPLICATION NUMBER: US 07/325,365
ATTORNEY/AGENT INFORMATION:
NAME: AMAY E. MANGERGOUERS
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 101.227-7400
TELECPMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-7400
TELEPHONE: AMAY E. MANGERGOUERS
TELEPHONE: AMAY E. MANGERGOUERS
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-7400
TELEPHONE: AMAY E. MANGERGOUERS
TELEPHONE: HARACTERISTICS:
LENGTH: 17 amino acide
TYPE: manio acide
TYPE: TELEPHONE: DEDELIGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 50; DB
Pred. No. 0.31
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 61.5%;
Matches 8; Conservative
              60 State Street
STREET: 60 occ...
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 GLIHVANNNYDPW 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GFFOVVNNNYDRW 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-290-448A-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-464-000-55
```

ò 셤

```
US-08-290-448A-28
```

1; Gaps Query Match 35.2%; Score 40.5; DB 1; Length 15; Best Local Similarity 50.0%; Pred. No. 7.8; Matches 8; Conservative 2; Mismatches 5; Indels

7;

ઠે g

Search completed: June 20, 2005, 14:22:22 Job time : 16.15 sec8

THIS PAGE BLANK (USPTU)

```
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
```

OM protein - protein search, using sw model

June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec Run on:

US-09-202-464-27

114 1 ANNNYDPWSIYAIGGSSNPT 20 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

1714042 seqs, 383979560 residues Searched:

332641 Total number of hits satisfying chosen parameters:

seg length: 0 seg length: 20 Minimum DB B Maximum DB B

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/PCT NEW PUB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW PUB.pep:*

4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pep:*

6: /cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pep:*

7: /cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pep:*

8: /cgn2_6/ptodata/2/pubpaa/US08_NEW PUB.pep:*

9: /cgn2_6/ptodata/2/pubpaa/US08_NEW PUB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

12: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

13: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

18: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

19: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US106_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US11A_PUB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US11A_PUB.pep:*

11: /cgn2_6/ptodata/2/pubpaa/US11A_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

/cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

SUMMARIES

Result No.	Score	Query Match	* Query e Match Length DB I	08	ΩI	Description			
	85	74.6	15	14	US-10-354-240-63	Sequence	63,	Appl	
7	82	71.9	15	14	US-10-354-240-64	Sequence	64,	Appl	
m	58	50.9	15	14	US-10-354-240-62	Sequence	62,	Appl	
4	53	46.5	15	14	US-10-354-240-65	Sequence 65, A	65,	Appl	
ហ	38	33.3	16	15	US-10-346-162-100	Sequence	100	App	
9	37	32.5	15	17	US-10-794-514A-65	Sequence	65,	Appl	
7	37	32.5	16	14	US-10-012-542-515		515	App	
œ	37	32.5	16	14	US-10-115-123-515	Sequence	515	App	
σ	35	30.7	13	14	US-10-300-694A-69		69	Appl	
10	35	30.7	15	15	US-10-346-162-142	Sequence	142	App	
11	35	30.7	15	17	US-10-656-250-101	Sequence	101	App .	

109, 98, p 7, Ar 25, p	6609977	സമസമസ വ	17, 44, 33, 85, 81, 4, A	112, 113, 114, 116, 116, 116, 116, 116, 116, 116
US-10-656-250-109 US-10-656-250-98 US-10-468-543-7 US-10-468-543-25 US-10-813-813-124	US-10-126-996A-1 US-10-280-066-27 US-10-289-066-27 US-10-269-695-89 US-10-656-250-10 US-10-656-250-10	US-10 US-10 US-10 US-10 US-10 US-09	US-1 US-1 US-1 US-1 US-1	US-10- US-10- US-10- US-10- US-10- US-10- US-10- US-10-
	00 00 11 15 15 15 15 15 15 15 15 15 15 15 15			00 144 00 115 00 115 00 115 00 115 01 105
w 60 60 60 60	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	331 27.2 2 331 27.2 2 331 27.2 2 331 27.2 2 331 27.2 2 26.8 1
111111111111111111111111111111111111111	7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			3 8 8 9 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

ALIGNMENTS

```
USERIOR SEQUENCE 63, Application US/10354240

Sequence 63, Application US/10354240

Sequence 63, Application No. US20030185847A1

Sublication No. US20030185847A1

APPLICANT: Sone, Toshio

APPLICANT: Sone, Toshio

APPLICANT: Wama, Akinori

APPLICANT: Wama, Akiko

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT APPLICATION NUMBER: DCT/JP97/00740

PRIOR APPLICATION NUMBER: DCT/JP97/00740

PRIOR APPLICATION NUMBER: DCT/JP97/00740

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin Version 3.1

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/CATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 49
US-10-354-240-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
PEATURE:
```

Gaps ö Query Match 74.6%; Score 85; DB 14; Length 15; Best Local Similarity 93.3%; Pred. No. 5.2e-06; Matches 14; Conservative 1; Mismatches 0; Indels

```
| PUDILICATION NO. USZOUJUB5847A1 |
| GENERAL INPORMATION: |
| GENERAL INPORMATION: |
| APPLICANT: Some, Toshio |
| APPLICANT: Kume, Akinori |
| APPLICANT: Iwama, Akiko |
| TILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea |
| TILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea |
| TILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea |
| TILE OF INVENTION NUMBER: US /10/354,240 |
| PRIOR APPLICATION NUMBER: US 09/142,524 |
| PRIOR FILING DATE: 1998-09-09 |
| NUMBER OF SEQ ID NOS: 174 |
| SOFTWARE: PatentIn version 3:1 |
| TEACH OF SEQ ID NOS: 174 |
| 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-346-162-100

| Sequence 100, Application US/10346162
| Sequence 100, Application US/10346162
| Publication NO. US20030224390A1
| GENERAL INFORMATION:
| APPLICANT: FARO BIO USA, INC.
| APPLICANT: BARNETT, Thomas R.
| APPLICANT: BARNET, BANNET, INC.
| APPLICANT: BARNET, BANNET, BAN
                                                                                                                         ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 46.5%; Score 53; DB 14; Length 15; Best Local Similarity 100.0%; Pred. No. 0.42; Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 51
US-10-354-240-65
                                        Score 58; DB 14;
Pred. No. 0.072;
                                                                                                                         1, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 65, Application US/10354240; Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Cryptomeria japonica
                                   50.9%;
                               Query Match
Best Local Similarity 90.0
Matches 9; Conservative
                                                                                                                                                                                                                                                                    11 YAIGGSSNPT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 YAIGGSSNPT 10
                                                                                                                                                                                                                   1 ANNNYDPWSI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-354-240-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 15
                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ద
                                                                                                                                                                                                                                                       Sequence 64, Application US/10354240
; Sequence 64, Application US 20030185847A1
; Sequence 64, Application Wo. US20030185847A1
; Sequence 64, Application No. US20030185847A1
; GENERAL INFORMATION:
    APPLICANT: Sone, Toshio
; APPLICANT: Iwama, Akiko
; APPLICANT: Iwama, Akiko
; APPLICANT: Wino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
; TITLE OF INVENTION NUMBER: US/10/354,240
; CURRENT APPLICATION NUMBER: PCT/JP97/00740
; PRIOR PALING DATE: 1998-09-09
; RIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 64
; LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Rama, Akiko
APPLICANT: Isama, Akiko
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REPRENCE: SPO-103D1
CURRENT FILING DATE: 1091-01-20
CURRENT FILING DATE: 1097-03-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 62
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (1). (15)
CTHER INFORMATION: Cryjl peptide, Figure 1, Row 50
US-10-354-240-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 71.9%; Score 82; DB 14; L. Best Local Similarity 93.3%; Pred. No. 1.5e-05; Matches 14; Conservative 1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 62, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 DPWSIYAIGGSSNPT 20
1 ANNNYDPWSIYAIGG 15
                                            NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 3
US-10-354-240-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
    ò
                                                                                셤
```

```
NUMBER OF SEQ ID NOS: 117
; SEQ ID NO 515;
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-10-115-123-515
                                                                                                                                                                                                                                                                                                                                                    5 SNGNLDPWA 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SNGNLDPWA 13
                                                                                                                                                                                                                                                                                                 1 ANNNYDPWS 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 ANNNYDPWS 9
                                                                                                                                                                                                    Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                   US-10-012-542-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-115-123-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-300-694A-69
                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                    ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ठे
                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Graddis, Thomas
APPLICANT: Graddis, Thomas
APPLICANT: Graddis, Thomas
APPLICANT: Laus, Reinner
APPLICANT: Laus, Reinner
APPLICANT: Usegel, Michael
TITLE OF INVENTION: Cancer and Infectious Disease
FILE REFERENCE: 11311.1003U
CURRENT FILING DATE: 2004-015
NUMBER OF SEQ ID NOS: 733
SOFTURE: FastSEQ for Windows Version 4.0
SEQ ID NO 65
LENGTH: 15
                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-012-542-515

(Sequence 515, Application US/10012542

(Sequence 515, Application US/10012542

(Sequence 515, Application US/10012542

(Sequence 515, Application No. US20030044851A1

(SEDERAL INFORMATION: 94 Human Secreted Proteins

(TITLE OF INVARION: 94 Human Secreted Proteins

(CURRENT FILING DATE: 2001-12-12

(CURRENT FILING DATE: 2001-12-12

(CURRENT FILING DATE: BARLIER FILING DATE: 1999-12-14

(PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507

(SPRIOR PILING DATE: BARLIER FILING DATE: 1998-06-16

(PRIOR FILING DATE: BARLIER FILING DATE: 1998-06-22

(PRIOR FILING DATE: BARLIER FILING DATE: 1998-06-22
                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ô
                                                                                                                  DB 15; Length 16; 90;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 37; DB 17; Length 15;
Pred. No. 1.2e+02;
                                                                                                                                                                           5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Made in a lab from synthetic material
US-10-794-514A-65
                                                                                                               Query Match
33.3%; Score 38; DB
Best Local Similarity 33.3%; Pred. No. 90;
Matches 5; Conservative 5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                        US-10-794-514A-65
; Sequence 65, Application US/10794514A
; Publication No. US20050112134A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32.5%;
53.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
US-10-346-162-100
                                                                                                                                                                                                                                  1 ANNNYDPWSIYAIGG 15
                                                                                                                                                                                                                                                                   SHNHHSPWLFRLLGG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 53.8%
Conservative
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8 WSIYAIGGSSNPT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 WRPCAAGGSSSPS 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 37; DB 14; Length 16;
Pred. No. 1.3e+02;
2; Mismatches 2; Indels
32.5%; Score 37; DB 14; Length 16; 55.6%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Ruben et al.
ITTLE OF INVENTION:
FILE OF INVENTION:
FILE OF INVENTION:
GURRENT APPLICATION NUMBER: US/10/115,123
CURRENT APPLICATION NUMBER: US/10/115,123
CURRENT FILING DATE: 2002-04-04
PRIOR FILING DATE: 1999-06-15
PRIOR FILING DATE: 1999-06-16
PRIOR PLING DATE: 1999-06-16
PRIOR FILING DATE: 1998-06-16
PRIOR PILING DATE: 1998-06-16
PRIOR FILING DATE: 1998-06-16
PRIOR FILING DATE: 1998-06-16
PRIOR FILING DATE: 1998-06-16
PRIOR PILING DATE: 1998-06-16
PRIOR FILING DATE: 1998-06-16
PRIOR FILING DATE: 1998-06-16
PRIOR FILING DATE: 1998-06-15
PRIOR FILING DATE: 1998-06-12
PRIOR FILING DATE: 1998-06-22
NUMBER: OF SEQ ID NOS: 532
SEQ ID NOS: 532
SEQ ID NOS: 532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Grinstaff, Mark W.
APPLICANT: Kenan, Daniel J.
APPLICANT: Walsh, Elisabeth B.
APPLICANT: Walsh, Elisabeth B.
APPLICANT: Waldleton, Crystan
TITLE OF INVENTION: INTERPACIAL BIOMATERIALS
FILE REFERENCE: 180/143/2
CURRENT APPLICATION NUMBER: US/10/300,694A
CURRENT FILING DATE: 2003-05-07
PRIOR APPLICATION NUMBER: US 60/331,843
                                                      2; Mismatches
                                                                                                                                                                                                                                                                                                   Sequence 515, Application US/10115123
Publication No. US20030065151A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 69, Application US/10300694A
Publication No. US20030185870A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          32.5%;
55.6%;
                                                      5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Duke University
```

```
US-10-656-250-109

Sequence 109, Application US/10656250

PUBLICATION US. US20050069951A1

GENERAL INFORMATION:

APPLICANT: FOWLKES, Dana M.

APPLICANT: FRAILNGER, Jeffrey A.

APPLICANT: FRELINGER, Jeffrey A.

APPLICANT: HYDE-DERUYSCHER, Robin P.

TITLE OF INVENTION: IDENTIFICATION OF DRUGS USING COMPLEMENTARY COMBINATORIAL

TITLE OF INVENTION: LIBRARIES

FILE REFERENCE: FOWLKES=4D

CURRENT PILING DATE: 2001-09-08

PRIOR PAPLICATION NUMBER: 09/050,359

PRIOR APPLICATION NUMBER: 09/050,359

PRIOR APPLICATION NUMBER: 09/1050,359

PRIOR PILING DATE: 1998-03-31

PRIOR PILING DATE: 1998-10-31

PRIOR PILING DATE: 1998-10-31

PRIOR PILING DATE: 1996-10-31

NUMBER OF SEC ID NOS: 180

SOFTWARE: PatentIn version 3.2

SEQUID NO 109

LENGTH 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: KAY, Brian K.
APPLICANT: FELINGER, Jeffrey A.
APPLICANT: FELINGER, Jeffrey A.
APPLICANT: HYDE-DERUYSCHER, Robin P
TITLE OF INVENTION: IDENTIFICATION OF DRUGS USING COMPLEMENTARY COMBINATORIAL
TITLE OF INVENTION: LIBRARIES
FILE REFERENCE: FOWLKES=4D
CURRENT APPLICATION NUMBER: US/10/656,250
                                                                                                                                                                                                                                                                                                                                    ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ij
                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: alcohol dehydrogenase binding peptide from library US-10-656-250-109
                                                                                                                                                                                                 ; OTHER INFORMATION: beta-glucosidase binding peptide from library
US-10-656-250-101
                                                                                                                                                                                                                                                                                                                                    .;
?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30.7%; Score 35; DB 17; Length 15;
43.8%; Pred. No. 2.4e+02;
tive 4; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                      Length 15
                                                                                                                                                                                                                                                                                 Score 35; DB 17; Length 15
Pred. No. 2.4e+02;
4; Mismatches 3; Indels
PRIOR APPLICATION NUMBER: 08/740,671
PRIOR FILING DATE: 1996-10-31
NUMBER OF SEQ ID NOS: 180
SOFTWARE: PatentIn version 3.2
SEQ ID NO 101
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 98, Application US/10656250 Publication No. US20050068951A1 GENERAL INFORMATION: APPLICANT: FOWLKES, Dana M.
                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 43.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 NNNYDPWSIYAIGGSS 17
                                                                                                                                                                                                                                                                                                                                                                                  2 NNNYDPWSIYAIGGSS 17
                                                                                                                                                                                                                                                                                                                                                                                                                             14
                                                                                                                                                                                                                                                                                                                                                                                                            1 SSSFKPWPIYL--GSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SSSFKPWPIYL--GSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 43.8
Matches 7; Conservative
                                                                                                                                                                      ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 13
US-10-656-250-98
                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                           요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 10

US-10-346-162-142

Sequence 142. Application US/10346162

Publication No. US20030224390A1

GENERAL INFORMATION:
APPLICANT: KARO BIO USA, INC.
APPLICANT: BARNET, Thomas R.
APPLICANT: BUENERS, Banjamin
TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDES AND TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDES AND TITLE OF INVENTION: WINEBER: US 09/614,865

FILE REFERENCE: 2000-07-12

FRIOR PILING DATE: 2003-01-17

PRIOR FILING DATE: 2001-05-21

FRIOR FILING DATE: 2001-05-21

NUMBER OF SEQ ID NOS: 268

SEQ ID NO 142

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 101, Application US/10656250
Publication No. US20050069951A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: FOWIKES, Dana M.
APPLICANT: FREINGER, Jeffrey A.
APPLICANT: FYELINGER, Jeffrey A.
APPLICANT: HYDE-DRUYSCHER, Robin P
TITLE OF INVENTION: LIBRARIES
TITLE OF INVENTION: LIBRARIES
                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30.7%; Score 35; DB 15; Length 15; 45.5%; Pred. No. 2.4e+02; tive 3; Mismatches 3; Indels
                                                                                                                                                                                                                    Length 13;
                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                              OTHER INFORMATION: Polycarbonate-binding peptide 69
                                                                                                                                                                                                                  Score 35; DB 14;
Pred. No. 2.1e+02;
1; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REPERENCE: FOWLKES=4D
CURRENT APPLICATION NUMBER: US/10/656,250
CURRENT FILING DATE: 2003-09-08
PRIOR APPLICATION NUMBER: 09/050,359
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: PCT/US97/19638
PRIOR FILING DATE: 1997-10-31
    SOFTWARE: Patentin version 3.2
SEQ ID NO 69
LENGTH: 13
                                                                                                                                                                                                                h 30.7%;
Similarity 71.4%;
5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Synthetic US-10-346-162-142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 30.7
Best Local Similarity 45.5
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 PWSIYAIGGSS 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   || :: :|| |
PWLMHYLGGGS 14
                                                                                                     ORGANISM: Artificial
                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                2 NNNYDPW 8
                                                                                                                                                                                                                                                                                                                                         | ||:||
NVNYNPW 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-656-250-101
                                                                                                                                                                      US-10-300-694A-69
                                                                               PRT
                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
                                                                                                                                                                                                                                                                                                                ò
```

0; Gaps

Length 11;

```
Score 33; DB 15;
Pred. No. 3.6e+02;
2; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                           Search completed: June 20, 2005, 15:55:18
Job time : 53.45 secs
      NUMBER OF SEQ ID NOS: 95
SOFTWARE: Patentin version 3.1
SEQ ID NO 25
LENGTH: 11
                                                                                                                                                                             Query Match
Best Local Similarity 66.7%;
Matches 4; Conservative
                                                                                                                 ; ORGANISM: Maackia amurensis
US-10-468-543-25
                                                                                                                                                                                                                                                                                          ::||||
6 HSYDPW 11
                                                                                                                                                                                                                                                                  3 NNYDPW 8
                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                    ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7, Application US/10468543
Publication No. US20040091938A1
GENERAL INFORMATION:
APPLICANT: Irimura, Tateuro
APPLICANT: Matsumoto, Mariko
APPLICANT: Yim, Mijung
APPLICANT: Yim, Mijung
APPLICANT: Ono, Takashi
TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same FILE REFERENCE: 03-786
CURRENT APPLICATION NUMBER: US/10/468,543
CURRENT PILING DATE: 2003-08-20
PRIOR APPLICATION NUMBER: JP 2001-044221
PRIOR PILING DATE: 2001-02-20
NUMBER OF SEQ ID NOS: 95
SOFTWARE: Patentin version 3.1
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 15
US-10-468-543-25
US-10-468-543-25
Sequence 25, Application US/10468543
Publication No. US20040091938A1
GENERAL INFORMATION:
APPLICANT: Trimura, Tateuro
APPLICANT: Ono, Takashi
TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same PILE REFERENCE: 03-786
CURRENT APPLICATION NUMBER: US/10/468,543
CURRENT APPLICATION NUMBER: UP 2001-044221
PRIOR FILING DATE: 2003-08-20
PRIOR FILING DATE: 2001-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                       .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: beta-glucosidase binding peptide from library US-10-656-250-98
                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                      29.8%; Score 34; DB 17; Length 15; 62.5%; Pred. No. 3.5e+02; ive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28.9%; Score 33; DB 15; Length 11; 66.7%; Pred. No. 3.6e+02; ive 2; Mismatches 0; Indels
CURRENT FILING DATE: 2003-09-08
PRIOR APPLICATION NUMBER: 09/050,359
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: PCT/US97/19638
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1996-10-31
NUMBER OF SEQ ID NOS: 180
SOFTWARE: Patentin version 3.2
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Maackia amurensis
                                                                                                                                                                                                                                                                                                                                                                    29.8
Best Local Similarity 62.5
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 NYDPWSIY 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : | | | | 4 SYAPWPIY 11
                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 4; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ::||||
6 HSYDPW 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 NNYDPW 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-468-543-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 원
```

THIS PAGE BLANK (USPTO)

```
REFERENCE DOCKET NUMBER: 025.
TELECHONIC (17) 227-7400
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 50: SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 50, Appl
                                                                June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                            Issued Patents AA:*

(cgn2_6/ptodata/1/laa/5A_COMB.pep:*
(cgn2_6/ptodata/1/laa/5B_COMB.pep:*
(cgn2_6/ptodata/1/laa/6A_COMB.pep:*
(cgn2_6/ptodata/1/laa/6B_COMB.pep:*
(cgn2_6/ptodata/1/laa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/laa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-50
US-09-142-524D-63
US-09-142-524D-64
US-09-142-524D-64
US-08-467-023-25
US-08-467-023-51
US-08-467-023-51
US-08-290-448A-55
US-08-290-448A-55
US-08-290-448A-55
US-08-290-48A-55
US-08-467-023-51
US-08-461-039B-55
US-08-461-039B-55
US-08-461-039B-55
US-09-465D-10
US-09-461-123-515
US-10-012-542-515
US-10-012-542-515
US-10-012-542-515
US-09-069-B27A-101
US-09-069-B27A-103
                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-142-449B-1
US-08-504-538A-12
                                                                                                                                                                                                513545 seqs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                           protein search, using sw model
                                                                                                                                       1 ANNYDPWSIYAIGGSSNPT 20
                                                                                                                                                              BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                 US-09-202-464-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                            seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query
Match 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1
                                           OM protein
                                                                                                                                                                                                                                              Minimum DB
Maximum DB
                                                                                                                                       Sequence:
                                                                                                                                                                                                 Searched:
                                                                                                                                                                                                                                                                                                                               Database
                                                                  Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Š.
```

8 6	31	27.2	200	w r	US-08-	630-0	US-08-630-052-12 PCT-US95-09307-12		Sequence	12,	Ap
30		٠	60		-60-SD	561-3	166B-23		Sequence		Ap
31		è.	60		US-10-	114-1	176-23		Sequence	23,	Ap
32		ώ,	σ,		-60-SD	561-3	166B-29		Sequence	53	Ap.
		٠,			- ns-10-	114-3	76-29		Sequence	2 2	AP
4° C		• u	7 6		20-01-	070	191-30 101-56		Sednence	י י י	£ <
n 4		0 u	2 5		100-01	71070	191-30		Seduence	ה ה ה	2, 2
2.5			4 1		118-09	2-690	66-460		Segmence	9	4
) e		ی د	, - , -		-60-SII	690	27A-100		Segmence	0	
o or			5 -		-60-511	690	27A-108		Segmence	108	
0 4			19		-60-SII	620-0	91-80		Semience	80	Ap
. 4			17		US-08-	370-5	67-8		Sequence		-
42		9	17		US-08-	438-7	159-8		Sequence		App
4		Ġ	17		US-08-	538-6	11-16		Segmence	19	A
4.4			17		US-09-	428-0	82B-203		Sequence	203	4
4.5		9	17		PCT-US	94-0	591-16		Sequence	16,	Ap
					;		Ş				
					ALI	ALIGNMENT	SI				
RESULT 1 US-08-467-023	.023-50	_									
Semence	50.	Applica	tion U	30/8	467023						
, Patent N	О	90386	30, Apparentan 03/03/02/02 1. 6090386	\$							
	INFO	MATION									
APPLI	APPLICANT:	Griff	th.	Irwin	J.,						
; APPLI	APPLICANT:	Pollo	ck, Jo	Joanne;							
; APPLI	APPLICANT:	Bond,	Э.	е. Б	••						
; APPLI	APPLICANT:	Garman,	n, Richard	arc	ر (۵						
, APPLI		Kuo, Mei	Mei-Chang;	, gur							
; APPLI	APPLICANT:	Yeung,	S		ж 						
APPLI	APPLICANT:	Brauer,		ا ا							
TTALE	APPLICANT:	EXTE	Σ	₹							
, APPLI	2 6	. POWEIB,	מ	i e	teven P.	100	7				
11111	5 6	INVENTION:		ָבָייייייייייייייייייייייייייייייייייי		PIOCEINE A	3	Februdaa			
NUMBER	16	SECUENCES		261	ָ ע	2	1121				
CORRE	SPONDE	CORRESPONDENCE ADDRESS:	DRESS:								
, ADI	ADDRESSEE:	E: ImmuLogi	uLogic		Pharmaceutical	ical	Corporation,	ion, Inc	ri.		
; STR	STREET:	610 Li		St							
, CIT	TY: WE	Waltham									
; STA	STATE: N	MA									
	MTRY:	USA									
; ZIP:		54									
; COMPUTER			FORM:	;							
WEL.	MEDIUM TO	TYPE:	_	118							
	1PUTER:	COMPUTER: IBM PC	U	Dati	ble						
,	SKATING	SYSTE		Š			1				
· ·	SOFTWARE:	Pate	Patentin Kelease	ea Te	Be #1.0,		version #1.	. 25			
; CURRE	INT AP	LICALI	2	; ; ;		6					
; APE	LICAL	APPLICATION NUMBER:	BER:	08/08/	167,	023					
	JA PACE	FILING DATE:	une o'	7	n						
	TIGOV O	CLASSIFICALION: 424	* Y E								
יי אינות א	T APP TO	ADDITIONAL MINERE		, 0							
AFE	HEFELCALL	THOM NOT I	DER:	700/200	77'00						
1144	TING DA	TE: D	December	ءَ م	7						
ALTON	CNEY/A	ENT TO	ATTORNEY/AGENT INFORMATION:	3							
, NAME	1E: Ja	Jane E.	Remillard	r d							
, KEG	LSTRA	REGISTRATION NUMBER:	MBEK:	9,6	2/8,	0001	200	1000			
, and the state of	EKENCE	V UCCRE	REFERENCE/DOCKET NUMBER: 02	. X	9.0	OSD2	(IMI-028CPD2)	Cruzi			
1961/2011	ZIMMC	20.01	TACHA!		. 20						

```
APPLICANT: Ivana, Akiko
APPLICANT: Ivana, Akiko
APPLICANT: Ivana, Kaliko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 62
                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
POLIOCK, Joanne,
APPLICANT:
Bond, Julian F.;
APPLICANT:
Bond, Garman, Richard D;
APPLICANT:
Ruo, Mai-Chang;
APPLICANT:
Brauer, Andrew;
APPLICANT:
Brauer, Andrew;
APPLICANT:
Brauer, Andrew;
APPLICANT:
Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCES.
ADDRESSEE: Immulcogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                            Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: (1). T(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 48
US-09-142-524D-62
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 50 US-09-142-524D-64
                                                                         DB 4; I
4.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 58; DB 4;
Pred. No. 0.021;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                     Mismatches
                                                                            Score 82;
Pred. No.
                                                                                                                                                                                                                                                                                                                  ; Sequence 62, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 258, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bollock, Joanne;
APPLICANT: Bond, Julian F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 90.0%;
Matches 9; Conservative
                                                                       Query Match 71.9%;
Best Local Similarity 93.3%;
Matches 14; Conservative
                                                                                                                                                                                          1 DPWTIYAIGGSSNPT 15
                                                                                                                                                                 6 DPWSIYAIGGSSNPT 20
                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 ANNNYDPWSI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ANNINTOPWII 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: MA
COUNTRY: U
                                                                                                                                                                                                                                                                                                    US-09-142-524D-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-467-023-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 15
                                                                                                                                                                     ð
                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   င်
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Kume, Akinori

APPLICANT: Kume, Akinori

APPLICANT: Iwama, Akiko

APPLICANT: Iwama, Akiko

APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

FILE REFENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT PILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 63

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sone, Akinori
APPLICANT: Knme, Akinori
APPLICANT: Wanma, Akiko
APPLICANT: Iwanma, Akiko
APPLICANT: Iwanma, Akiko
APPLICANT: Iwanma, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE FERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR FLING DATE: 1997-010
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 64
LENGTH: 15
                                                                                                     ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ő
                                                       97.4%; Score 111; DB 3; Length 20; 95.0%; Pred. No. 2.7e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 74.6%; Score 85; DB 4; Length 15; Best Local Similarity 93.3%; Pred. No. 1.7e-06; Matches 14; Conservative 1; Mismatches 0; Indels
                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (1).7(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 49
                                                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-142-524D-64; Sequence 64, Application US/09142524D; Patent No. 6719976; GENERAL INFERMATION:
                                                                                                                                                                                                                                                                             US-09-142-524D-63
; Sequence 63, Application US/09142524D
; Patent No. 6719976
                                                                                                                                              1 ANNNYDPWSIYAIGGSSNPT 20
                                                                                                                                                                        1 ANNNYDPWTIYAIGGSSNPT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 ANNYDPWSIYAIGG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 ANNYDPWTIYAIGG 15
                                                                            Best Local Similarity 95.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE LOCATION: (1)...(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-142-524D-63
             US-08-467-023-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                 ò
```

```
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Yeurg, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             50.9%; Score 58; DB 3; Length 19; 90.0%; Pred. No. 0.027;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: June 6, 1995
FLING DATE: June 6, 1995
FLING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remilland
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-740
TELEFAX: (617) 227-541
INFORMATION FOR SEQ ID NO: 258:
SEQUENCE CHARACTER/STICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Matham
STATE: MA
COUNTRY: USA
ZOD154
COMPUTER READABLE FORM:
MEDIUM TYPE: Blopy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 49, Application US/08467023
Patent No. 6090308
GENERAL INFORMATION:
APPLICANT: GRIffeth, Irwin J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: December 6, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 90.0
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide FRAGMENT TYPE: internal
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 ANNNYDPWSI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10 ANNNYDPWTI 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           amino acid
3Y: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-467-023-258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
```

```
US-09-142-524D-65

1 Sequence 65, Application US/09142524D

2 Sequence 65, Application US/09142524D

3 Sequence 65, Application US/09142524D

4 Setent No. 6719976

5 GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Mana, Akinori

APPLICANT: Mana, Akiko

APPLICANT: Mana, Akiko

APPLICANT: Wasa, Akiko

APPLICANT: Wasa, Akiko

FILER REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

FILER REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: DST/JP97/00740

PRIOR FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

SEQ ID NO 65

LENGTH: 15

TENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                   ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                     Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPK: (617) 227-5941
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CRARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 51
US-09-142-524D-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 46.5%; Score 53; DB 4; Best Local Similarity 100.0%; Pred. No. 0.12; Matches 10; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                   Query Match 50.9%; Score 58; DB 3; Best Local Similarity 90.0%; Pred. No. 0.029; Matches 9; Conservative 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 51, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 ANNNYDPWTI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 ANNNYDPWSI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 YAIGGSSNPT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 YAIGGSSNPT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                          US-08-467-023-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-51
```

```
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC comparible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                    TELERAK: (617)227-5941
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       43.9%;
72.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 72.7
Matches 8, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 NNNYDPWSIYA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7 NNNYDRWGTYA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-290-448A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-290-448A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Ragers, Bruce
APPLICANT: Rapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Ruo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
AIPLICANT: Powers, Steven P.
AITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St.
CITY: Maltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46.5%; Score 53; DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                    SIREE: B10 LINCOID SC
CITY: Waltham
STATE: NA
COUNTRY: USA
ZIP: 02145
COMPUTER READABLE FORM:
MEDIUM TYBE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCOIL DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFRX: (617) 227-7400
TELEFRX: (617) 227-7400
TELEFRX: (17) 227-7401
TELECOMMUNICATION INFORMATION:
TELEFRX: (17) 227-7401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
46.5%; Score 53; DB
Best Local Similarity 100.0%; Pred. No. 0.1
Matches 10; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 9
US-08-290-448A-55
; Sequence 55, Application US/08290448A
; Patent No. 5676954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 YAIGGSSNPT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 YAIGGSSNPT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-467-023-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 55, Application US/08290448A

Sequence 55, Application US/08290448A

Patent No. 5698204

GENERAL INFORMATION:

APPLICANT: Rogers, Bruce

APPLICANT: Rapers, David G.

APPLICANT: Ranar, Thorun

APPLICANT: Kuo, Mei-chang

TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses

NUMBER OF SEQUENCES: 93

CORRESPONDENCE ADDRESS:

ADDRESSE: LAHIVE & COCKFIELD

STREET: 60 State Street, suite 510

CITY: Boston

CITY: Boston

COTHANDENCE ADDRESS:

COTHANDENCE ADDRESS:

COTHANDENCE ADDRESS:

CITY: Roston

CITY: Roston

CITY: Roston

COTHANDENCE ADDRESS:

COTHAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290, 448A
FILING DATE: August 15, 1994
PRIOR APPLICATION NUMBER: US 07/529, 951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325, 365
FILING DATE: March 17, 1989
ATTONREY/AGBRI INPORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36, 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 50; DB 1;
Pred. No. 0.39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
PRICATION NUMBER: US/08/290,448A
PRIOR DATE: August 15, 1994
PRIOR APPLICATION DATE:
APPLICATION NUMBER: US 07/529,951
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
```

```
US-08-461-939B-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
0
                                                                                                                                                                                                                                                                                                                                                   Sequence 55, Application US/08175069A
Patent No. 5776761
GENERAL INFORMATION:
APPLICANT: Ragers, Bruce
APPLICANT: Rafnar, Thorunn
APPLICANT: Rafnar, Thorunn
APPLICANT: Ruo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                 ..
0
                                                                                                                                     43.9%; Score 50; DB 1; Length 17; 72.7%; Pred. No. 0.39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3; Indels
                                                                                                                                                                                 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/175,069A
FILING DATE: December 29, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REFERENCE/DOCKET NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 111-1018DV
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 50; DB
Pred. No. 0.39
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: LAHIVE & COCKFIELD, LLF
60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              43.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
LENGTH: 17 amino acids
                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8; Conservative
                                                    MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                    2 NNNYDPWSIYA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 NNNYDPWSIYA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NNNYDRWGTYA 17
                                                                                                                                                                                                                                                          7 NNNYDRWGTYA 17
                  TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                     Query Match
Best Local Similarity
Matches 8; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02109-1875
                                                                                 ; FRAGMENT TYFE
US-08-290-448A-55
                                                                                                                                                                                                                                                                                                                                       US-08-175-069A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-175-069A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                      ઠ
                                                                                                                                                                                                                                                        셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
```

RESULT 12

```
APPLICANT: Rogers, Bruce
APPLICANT: Raper, David G.
APPLICANT: Rainer, Thorun
APPLICANT: Rainer, Thorun
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Methods For Treating Sensitivity To A
TITLE OF INVENTION: Protein Allergen Using Peptides Which Inlcude A T Cell Epitope
NUMBER OF SEQUENCES:
OCRRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Rogers, Bruce
APPLICANT: Riapper, David G.
APPLICANT: Riapper, Thorunn
APPLICANT: Rafiar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
NUMBER OF SEQUENCES: 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 50; DB 3; Length 17;
Pred. No. 0.39;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,939B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR AND DATA:
APPLICATION NUMBER: US 08/464,000
FILING DATE: 05-UN-1995
APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1999
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IMI-018CND
                                                                                                                                                                                                                STREET: 28 State Street
CITY: Boston
STATE: Massach:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Sequence 55, Application US/08461939B Patent No. 6335019 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 55, Application US/08464000
Patent No. 6335020
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REPERENCE/DOCKET UMBER: IM
TELECOMMUNICATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    43.9%;
ilarity 72.7%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 amino acide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 NNNYDPWSIYA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NNNYDRWGTYA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
TELEFAX: (0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-461-939B-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-464-000-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
```

```
ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-379-665D-10

Sequence 10, Application US/09379665D

Sequence 10, E050184

GENERAL INFORMATION:

APPLICANT: National Renewable Energy Laboratory

TITLE OF INVENTION:

FILE REFERENCE: NREL 98-37

CURRENT FILING DATE: 1999-08-24

CURRENT FILING DATE: 1999-08-24

NUMBER OF SEQ ID NOS: 12

SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              36.8%; Score 42; DB 4; Length 17; 37.5%; Pred. No. 6.4; ive 5; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 50; DB 3; Length 17;
Pred. No. 0.39;
0; Mismatches 3; Indels
                                                          COUNTRY: MASACHIDSCLES

ZIP: 02109-1875

COMPUTER READBLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MN-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,000
FILING DATE: 05-JUN-1995
PRIOR APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1999
APPLICATION NUMBER: US 07/325,365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Amy E. Mandragourae
REGISTRATION VUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN2
TELECOMMUNICATION INFORMATION:
TELEPAX: (617)227-7400
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:||::||:1
1 NWDNWNAWGPGGNPDP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 NYDPWSIYAIGGSSNP 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 72.7%;
Matches 8; Conservative
60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 37.5:
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                     Boston
Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 NNNYDRWGTYA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 NNNYDPWSIYA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: DEX 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-379-665D-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-464-000-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
```

RESULT 15

```
US-08-861-153A-10
; Sequence 10, Application US/08861153A
; Patent No. 672364
; GENERAL INFORMATION:
; PAPPLICATY: BEN-SASSON, Shmuel A
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE INTRACELLULAR SIGNALING; FILE REFERENCE: BEN-SASSON=1
; CURRENT APPLICATION NUMBER: US/08/861,153A
; UNMBER OF SEQ ID NOS: 53
; SOFTWARE PAPLACHION VERSION 3.1
; SEQ ID NO 10
; LENGTH: 20
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE PATENT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; OTHER INFORMATION: synthetic
US-08-861-153A-10

Query Match
Best Local Similarity 41.7%; Pred. No. 31;
Matches 5; Conservative 4; Mismatches 3; Indels 0; Gape 0;

ON 8 WSITALGGSSNP 19
Db 1 WEIFSLGGTPYP 12
Search completed: June 20, 2005, 14:22:23
Job time: 17.55 secs
```

```
June 20, 2005, 14:14:01; Search time 53.45 Seconds (without alignments) 143.678 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO6_PUBW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
20: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
21: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
22: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                        OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                          US-09-202-464-29
101
1 ILSEGNSFTAPNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                             BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                          Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Database :
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Searched:
                                                                                                                                                                                             Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ~
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description	Sequence 67, Appl	Sequence 68, Appl	Sequence 66, Appl	69	117,	113,	112,	Sequence 60, Appl	60,	22,	Sequence 103, App
αı		US-10-354-240-68	US-10-354-240-66	US-10-354-240-69	US-10-354-240-117	US-10-884-355A-113	US-10-884-355A-112	US-09-966-459A-60	US-10-323-412-60	US-10-660-370-22	US-10-660-370-103
DB	14	14	14	14	14		17	10	16	11	11
% Query e Match Length DB I	15	15	15	15	15	17	19	15	15	17	17
Query Match	66.3	61.4	47.5	36.6	32.7	32.7	32.7	31.7	31.7	31.7	31.7
Score	67	62	48	37	33	33	33	32	32	32	32
Result No.	-	7	m	4	ß	9	7	8	6	10	11

31, p 67, p 141, 145, 153,	e 157, e 298, e 298, e 117, e 65, A	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1024444	:e 17, Appl :e 17, Appl :e 81, Appl e 19, Appl :e 19, Appl : 32, Appl
Sequence Sequence Sequence Sequence Sequence Sequence	Sednence Sednence Sednence Sednence Sednence Sednence	Sequence Sequence Sequence Sequence Sequence	Sequence Sequence Sequence Sequence Sequence Sequence Sequence	Sequence Sequence Sequence Sequence Sequence Sequence
US-10-172-425B- US-10-432-422-6 US-10-632-706-1 US-10-632-706-1 US-10-632-706-1 US-10-632-706-1	US-1 US-1 US-1 US-1 US-1	US-10-154-240-116 US-10-203-915A-126 US-10-886-773-105 US-10-160-232-16 US-10-275-180A-26 US-10-275-180A-26	0-477-377-3 0-684-813- 0-084-813- 0-084-813- 0-084-813- 0-084-813-	US-10-383-930-17 US-10-797-821-17 US-10-417-895A-81 US-10-080-100-23 US-09-966-955A-32 US-09-966-940-52
114 115 117 117 117 116 117 116		15 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17		20 16 20 17 14 15 8 13 8 15 13 9
00.00 00.00 00.00 00.00	200 200 200 200 200 200 200 200 200 200	2 2 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	228 228 228 24 25 25 26 27 27 27 27	28.7 28.2 27.7.2 7.7.7 7.7.7
നെനന്നിന്ന	 	N N N N N N	100000000	78 78 88 78 88 78 88 78 88 78 88 78 88 8
2 1 1 1 1 2 2 2 2 4 1 1 2 2 2 2 2 2 2 2	8 1 1 2 2 2 2 4 6	322222		W 4 4 4 4 4 9 0 4 8 6 6 6

ALIGNMENTS

JS-10-354-240-67

```
Sequence 67, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Bairiki, Kazuo
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Wine, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
; FILE REPERENCE: SPO-10310
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1998-09-09
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 67
; LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 66.3%; Score 67; DB 14; Length 15; Best Local Similarity 92.9%; Pred. No. 0.00059; Matches 13; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
1 LOCATION: (1)...(15)
1 OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 53
WS-10-354-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
```

ö

Gaps

. 0

```
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Mame, Akinori
APPLICANT: Mame, Akinori
APPLICANT: Ivama, Akiko
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
PRIOR APPLICATION NUMBER: US/297/00740
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-35-240-117

Sequence 117, Application US/10354240

Sequence 117, Application US/10354240

Publication No. US20030185847A1

Sequence 117, Application No. US20030185847A1

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Mama, Akinori

APPLICANT: Mino, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dise;

TITLE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SEQ ID NO :17

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                .;
0
                47.5%; Score 48; DB 14; Length 15;
100.0%; Pred. No. 0.75;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , LOCATION: (1).7(15)
, OTHER INFORMATION: Cryjl peptide, Figure 1, Row 55
US-10-354-240-69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 37,
Pred. No. 4
                                                                                                                                                                                                                                                                     ; Sequence 69, Application US/10354240; Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 70.0%;
Matches 7; Conservative 2
                  Query Match
Best Local Similarity 100.
Matches 10; Conservative
                                                                                                                                                       6 ILSEGNSFTA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 PNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PNESYKKOVT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION
                                                                                                                                                                                                                                                    US-10-354-240-69
                                                                                                                 ò
                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 66. Application US/10354240

| Sequence 66. Application WS/2030185847A1
| Sequence 66. Application WS/2030185847A1
| GENERAL INFORMATION:
| APPLICANT: Sone, Toshio
| APPLICANT: Twame, Akino
| APPLICANT: Twame, Akino
| APPLICANT: Kino, Kohsuke
| TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
| TITLE OF INVENTION: Peptide-Lased Immunotherapeutic Agent for Treating Allergic Disea
| TITLE OF INVENTION: Peptide-Lased Immunotherapeutic Agent for Treating Allergic Disea
| TITLE OF INVENTION: POPTION NUMBER: US/10/354,240
| CURRENT FILING DATE: 1997-03-10
| PRIOR APPLICATION NUMBER: PCT/JP97/00740
| PRIOR PELING DATE: 1998-09-09
| NUMBER OF SEQ ID NOS: 174
| SEQ ID NO 66
| LENGTH: 15
                                                                                                                                                                                                                     APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Nama, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
ITILE REFERENCE: SPO-103D1
FILLE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: US 09/142,524
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 68
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 61.4%; Score 62; DB 14; Length 15; Best Local Similarity 80.0%; Pred. No. 0.0039; Matches 12; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 54
                                                                                                                                                            Sequence 68, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 NSFTAPNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 ILSEGNSFTAPNDS 14
                       1 ILSEGNSFTAPNES 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 3
US-10-354-240-66
                                                                                                               RESULT 2
US-10-354-240-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-354-240-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
  ò
                                        셤
```

```
Sequence 60, Application US/10323412

Publication No. US20040121330A1

GENERAL INFORMATION:

APPLICANT: Bristol-Myers Squibb Company

ITILE OF INVENTION: THEREOF

ITILE OF INVENTION: THEREOF

FILE REFERENCE: D0039A CIP

CURRENT APPLICATION NUMBER: US/10/323,412

CURRENT FILING DATE: 2002-12-18

PRIOR PAPLICATION NUMBER: U.S. 09/964,459

PRIOR PAPLICATION NUMBER: U.S. 60/235,833

PRIOR PAPLICATION NUMBER: U.S. 60/261,776

PRIOR APPLICATION NUMBER: U.S. 60/261,776

PRIOR APPLICATION NUMBER: U.S. 60/305,351

PRIOR PILING DATE: 2001-01-16

PRIOR PILING DATE: 2001-01-16

PRIOR PILING DATE: 2001-01-16

PRIOR PILING DATE: 2001-07-13

PRIOR PILING DATE: 2001-07-13

PRIOR PILING DATE: 2001-08-17

PRIOR PILING DATE: 2001-08-17
                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 31.7%; Score 32; DB 10; Length 15; Best Local Similarity 54.5%; Pred. No. 3.18+02; Matches 6; Conservative 1; Mismatches 4; Indels
                                                     Sequence 60, Application US/09966459A Publication No. US20030022237A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 SEGNSFTAPND 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 SDGESFFEPGD 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-966-459A-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JS-10-323-412-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          32.7%; Score 33; DB 17; Length 17; 58.3%; Pred. No. 2.5e+02; Live 0; Mismatches 5; Indels
                                                                                                                                                            Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               32.7%; Score 33; DB 17; Length 19; 58.3%; Pred. No. 2.8e+02; tive 0; Mismatches 5; Indels
                                                                                                                                                                                                               3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Rainbow trout Histone H2B-3(HLP-3)(Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Rainbow trout Histone H2B-1(HLP-1)(Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 112, Application US/10884355A
Publication No US20050058689A1
GENEBAL INPORMATION:
APPLICANT Reactive Surfaces, Ltd.
TITLE OF INVENTION: Antifungal Paints and Coatings
FILE REFERENCE: RACT-00400
CURRENT APPLICATION NUMBER: US/10/884,355A
CURRENT FILING DATE: 2004-07-02
PRIOR APPLICATION NUMBER: 06/485,234
PRIOR FILING DATE: 2003-07-03
NUMBER OF SEQ ID NOS: 199
SOFTWARE: Patentin version 3.3
SEQ ID NO 112
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 113. Application US/10884355A; Publication No. US20050058689A1; Bublication No. US20050058689A1; GENERAL INPORMATION:
APPLICANT: Reactive Surfaces, Ltd.
TITLE OF INVENTION: Antifungal Paints and Coatings FILE REFERENCE: RACT-00400; CURRENT APPLICATION NUMBER: US/10/884,355A; CURRENT FILING DATE: 2004-07-02; PRIOR APPLICATION NUMBER: 60/485,234; PRIOR FILING DATE: 2003-07-03; NUMBER OF SEQ ID NOS: 199; SOFTWARE: Batentin version 3.3; SEQ ID NO 113
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)...(15)
; OTHER INFORMATION: Cryjz peptide, Figure 2, Row 34
US-10-354-240-117
                                                                                                                                                       32.7%; Score 33; DB 14;
70.0%; Pred. No. 2.1e+02;
tive 0; Mismatches 3;
                                                                                                                                                                                  Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9 TAPNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9 TAPNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 TAPKKKSKKAVT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TAPKKGSKKAVT 17
                                                                                                                                                                                                                                                               5 GNSFTAPNDS 14
                                                                                                                                                                                                                                                                                                            2 GISITAPRDS 11
                                                                                                                                                                                                                                                                                                                                                                                           RESULT 6
US-10-884-355A-113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 7
US-10-884-355A-112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-884-355A-112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-884-355A-113
                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                 ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
```

FEATURE

ö

Gaps

.. 0

ઠે

```
TYPE: PRT ORGANISM: Streptococcus pyogenes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : | |::|| : ||
1 VLKAGHAFTLIDPSD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 ILSEGNSFTAPNDSD 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Fusarium scirpi
US-10-432-422-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14 SDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 TDKKEVT 9
                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-172-425B-31
                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 31
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 31.7%; Score 32; DB 17; Length 17; Best Local Similarity 42.9%; Pred. No. 3.6e+02; Matches 6; Conservative 3; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17;
                                                         Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 32; DB 17; Length 17
Pred. No. 3.6e+02;
3; Mismatches 5; Indele
                                                                                            4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-660-370-103

US-10-660-370-103

Sequence 103, Application US/10660370

Publication No. US200500645071

GENERAL INFORMATION:
APPLICANT: Shaw, J. Stephen

TITLE OF INVENTION: Determining Kinase Specificity
FILE REFERENCE: 1662.009US2

CURRENT APPLICATION NUMBER: US/10/660,370

CURRENT FILING DATE: 2003-09-11

NUMBER OF SEQ ID NOS: 640

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 103

LENGTH: 17
                                                                                                                                                                                                                                            US-10-660-370-22
; Sequence 22, Application US/10660370
; Bublication No. US20050064507A1
; Publication No. US20050064507A1
; GENERAL INFORMATION:
APPLICANT: Shaw, J. Stephen
APPLICANT: National Institutes of Health
TITLE OF INTERNITION: Determining Kinase Specificity
FILE REFERENCE: 1662.009US2
; CURRENT FALING DATE: 2003-09-11
NUMBER OF SEQ ID NOS: 640
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 17
                                                     Score 32; DB 16;
Pred. No. 3.1e+02;
1; Mismatches 4.
; OTHER INFORMATION: Synthesized Polypeptide.
US-10-323-412-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: A synthetic peptide US-10-660-370-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: A synthetic peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
                                                     Query Match
Best Local Similarity 54.5%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 42.9%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 ILSEGNSFTAPNDS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 ILSEGNSFTAPNDS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 SEGNSFTAPND 13
                                                                                                                                                                       3 SDGESFFEFGD 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-660-370-103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
```

RESULT 12

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
Sequence 31, Application US/10172425B
Publication No. US20030147908A1
Publication No. US20030147908A1
GENERAL INFORMATION:
TUTLE OF INVENTION: BROAD SECTRUM ANTAGONISTS AND VACCINES
TITLE OF INVENTION: BIRECTED AGAINST PYROGENIC EXOTOXINS
FILE REFERENCE: A31967-PCT-USA-A-A 066031.0164
CURRENT APPLICATION NUMBER: US/10/172,425B
PRIOR APPLICATION NUMBER: 09/150,947
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: PCT/1L97/00438
PRIOR PILING DATE: 1997-12-30
PRIOR PILING DATE: 1997-12-30
PRIOR APPLICATION NUMBER: ISRAEL 11993B
PRIOR FILING DATE: 1996-12-30
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 31; DB 14; Length 14
Pred. No. 4.2e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 67, Application US/10432422

Sequence 67, Application US/10432422

PUBLICATION. US20040076981A1

GENERAL INFORMATION:

APPLICANT: Syngenta Participations AG

APPLICANT: Cornell Research Foundation, Inc.

APPLICANT: Tugeon, Barbara G.

APPLICANT: Lu, Shen-wen

TITLE OF INVENTION: Fungal Iron Reductase Gene

TITLE OF INVENTION: Fungal Iron Reductase Gene

TITLE OF INVENTION: Fungal Iron Reductase Gene

CURRENT FILING DATE: 2000-132, 422

CURRENT FILING DATE: 2000-11-22

PRIOR APPLICATION NUMBER: US 60/252,732

PRIOR APPLICATION NUMBER: US 60/252,732

PRIOR FILING DATE: 2000-11-22

NUMBER: OF SEQ ID NOS: 210

SOFTWARE: FASTERQ for Windows Version 4.0

SEQ ID NOS: 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
30.7%; Score 31; DB 15; 1
Best Local Similarity 40.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 4; Mismatches 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-632-706-141; Sequence 141, Application US/10632706; Publication No. US20040175385A1
```

```
Sequence 145, Application US/10632706
; Sequence 145, Application US/10632706
; Bublication No. US20040175385A1
; GENERAL INFORMATION:
APPLICANT: MARKS, JAMES D.
; APPLICANT: AMERSONER PETER
; TITLE OF INVENTION: THERAPEUTIC MONOCLONAL ANTIBODIES THAT NEUTRALIZE BOTULINUM
; TITLE OF INVENTION: NEUROTOXINS
; TITLE OF INVENTION: NEUROTOXINS
; TITLE OF INVENTION: NUMBER: US/10/632,706
; CURRENT APPLICATION NUMBER: US 60/400,721
; PRIOR FILING DATE: 2003-08-01
; PRIOR FILING DATE: 1996-08-31
; PRIOR FILING DATE: 1996-08-31
; NUMBER: OF SEQ ID NOS: 278
; SEQ ID NO 145
; LENGTH: 17
APPLICANT: MARKS, JAMES D.
APPLICANT: MARKS, JAMES D.
APPLICANT: MARKS, JAMES D.
APPLICANT: AMERSDORFER, PETER
TITLE OF INVENTION: THERAPEUTIC MONOCLONAL ANTIBODIES THAT NEUTRALIZE BOTULINUM
TITLE OF INVENTION: NEUROYCXINS
FILE REFERENCE: 407T-895120US
CURRENT APPLICATION NUMBER: 02/10/632,706
CURRENT FILING DATE: 2002-08-01
PRIOR APPLICATION NUMBER: US 60/400,721
PRIOR APPLICATION NUMBER: US 99/144,806
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 278
SOFTWARE: PARENTIN VERSION 3.2
SEQ ID NO 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 30.7%; Score 31; DB 16; Length 17; Best Local Similarity 46.7%; Pred. No. 5.2e+02; Matches 7; Conservative 3; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30.7%; Score 31; DB 16; Length 17; 46.7%; Pred. No. 5.2e+02; tive 3; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
// OTHER INFORMATION: single chain antibody fragment
US-10-632-706-141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: single chain antibody fragment
US-10-632-706-145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 LSEGNSFTAPNDSDK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :|:| |:| |:| 2 ISDGGSYTYYPDSVK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 LSEGNSFTAPNDSDK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 46.73
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-632-706-145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               임
```

Search completed: June 20, 2005, 15:55:19 Job time : 54.45 seca THIS PAGE BLANK (USPTO)

```
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
TOPOLOGY: linear
                                                                                     June 20, 2005, 14:04:11; Search time 16.15 Seconds (without alignments) 92.445 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 52,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 3
Sequence 3
Sequence 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                               Issued Patents AA:*

(GDT2_6/ptodata/1/iaa/5A_COMB.pep:*
(GDT2_6/ptodata/1/iaa/5B_COMB.pep:*
(GDT2_6/ptodata/1/iaa/6A_COMB.pep:*
(GDT2_6/ptodata/1/iaa/6B_COMB.pep:*
(GDT2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(GDT2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-52
US-09-142-524D-68
US-09-142-524D-68
US-09-142-524D-69
US-09-142-524D-69
US-09-142-524D-69
US-09-142-524D-69
US-09-144-16-33
US-09-014-416-31
US-08-477-362-170
US-08-477-362-170
US-08-477-362-170
US-08-477-14-170
                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCT-US95-08429-7
US-09-133-341-8
                                                                                                                                                                                                                                                             513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                            protein search, using sw model
                                                                                                                                                  US-09-202-464-29
101
1 ILSEGNSFTAPNDSDKKEVT 20
                                                                                                                                                                                                                BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length
                                                                                                                                                                                                                                                                                                                         seq length: 0
seq length: 20
                                                                                                                                                                   Perfect score:
                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OM protein
                                                                                                                                                                                                                                                                                                                           Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                    Database :
                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                             Searched:
                                                                                          Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Result
```

```
28 29 28.7 15 4 US-09-739-852-8 Sequence 8, Appl. 20 29 28.7 15 4 US-09-739-852-8 Sequence 10, Appl. 20 29 28.7 15 4 US-09-734-116 Sequence 10, Appl. 20 29 28 27 15 10 US-09-014-416-116 Sequence 10, Appl. 20 29 29 29 27 15 10 US-09-014-22-29 Sequence 10, Appl. 20 29 27 15 10 US-09-014-22-29 Sequence 10, Appl. 20 27 15 10 US-09-014-22-29 Sequence 10, Appl. 20 27 15 10 US-09-014-22-3 Sequence 10, Appl. 20 27 16 US-09-014-22-3 Sequence 10, Appl. 20 27 17 15 US-09-014-22-3 Sequence 10, Appl. 20 27 17 15 US-09-014-22-3 Sequence 10, Appl. 20 27 17 15 US-09-014-22-3 Sequence 10, Appl. 20 27 17 16 US-09-014-22-3 Sequence 21, Appl. 20 27 26-7 16 US-09-014-22-3 Sequence 21, Appl. 20 27 26-7 16 US-09-014-22-3 Sequence 21, Appl. 20 27 26-7 10 US-09-014-23-15 Sequence 21, Appl. 20 27 26-7 10 US-0
```

```
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinoxi
APPLICANT: Kume, Akinoxi
APPLICANT: Mama, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Wama, Akiko
APPLICANT: Wino, Kohsuke
TILLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 66
                                                                                                                                                                                                                    ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen NUMBER OF SEQUENCES: 261
                                                                                                                                Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E: ImmuLogic Pharmaceutical Corporation, Inc. 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     i LOCATION: (1). (15)
i OTHER INFORMATION: Cryjl peptide, Figure 1, Row 52
US-09-142-524D-66
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 54
US-09-142-524D-68
                                                                                                                                Score 62; DB 4;
Pred. No. 0.0012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 47.5%; Score 48; DB 4; Best Local Similarity 100.0%; Pred. No. 0.23; Matches 10; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 51, Application US/08467023
Fatent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: POWERS, Steven P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 66, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                           Query Match
Best Local Similarity 80.0%;
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                        1 NSFTAPNESYKKQVT 15
                                                                                                                                                                                                                                                                                                        6 NSFTAPNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 ILSEGNSFTA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6 ILSEGNSFTA 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 610 Li
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-142-524D-66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE
                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-142-524D-68
Sequence 68, Application US/09142524D
Sequence 68, Application US/09142524D
Sequence 68, Application US/09142524D
Sequence 68, Application US/09142524D
Sequence 68, Application US/09142
Sequence 68, Application US/09142
Sequence Note of Application Experience Application Windler US/09/142,524D
TITLE OF INVENTION PERFORMENT US/09/142,524D
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT PILING DATE: 1998-09-09
PRIOR FILING DATE: 1998-09-09
PRIOR FILING DATE: 1997-03-10
SEQUENCE OF SEQUENCE: 1997-03-10
SEQUENCE OF SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sume, Akinoxi
APPLICANT: Mame, Akinoxi
APPLICANT: Iwama, Akinoxi
APPLICANT: Iwama, Akinoxi
APPLICANT: Iwama, Akino
APPLICANT: Iwama, Iwa
                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                     Gaps
                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 66.3%; Score 67; DB 4; Length 15; Best Local Similarity 92.9%; Pred. No. 0.00019; Matches 13; Conservative 1; Mismatches 0; Indels
                                                                                        Query Match 84.2%; Score 85; DB 3; Length 20; Best Local Similarity 85.0%; Pred. No. 3.1e-07; Matches 17; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 53
US-09-142-524D-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 67, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                    1 ILSEGNSFTAPNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 ILSEGNSFTAPNDS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 ILSEGNSFTAPNES 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 2
US-09-142-524D-67
             US-08-467-023-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
```

```
GENERAL INFORMATION:
APPLICANT: Yanagi, Masayuki
APPLICANT: Buckh, Jens
APPLICANT: Brerson, Susanne U.
APPLICANT: Expresil, Robert H.
TITLE OF INVENTION: CLONDE GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
TITLE OF INVENTION: USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Graman, Richard D;
APPLICANT: You, Mei-Chang,
APPLICANT: Exley, Marew;
APPLICANT: Covers, Steven P.
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane B. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      36.6%; Score 37; DB 3; 70.0%; Pred. No. 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. 20;
2; Mismatches
                                                                Sequence 53, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 33, Application US/09014416
Patent No. 6153421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 70.07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 PNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 PNESYKKQVT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-467-023-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-014-416-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Tuama, Akinori
APPLICANT: Inama, Akiko
APPLICANT: Tuama, Akiko
APPLICANT: Sone, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 69
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     36.6%; Score 37; DB 4; Length 15; 70.0%; Pred. No. 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        47.5%; Score 48; DB 3; Length 20; 100.0%; Pred. No. 0.32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
              MEDIUM TYPE: Ploppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPRATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023

FILING DATE: Unne 6, 1995

CLASSIFICATION 1424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/350,225

FILING DATE: December 6, 1994

ATTONNEY/AGENT INPORMATION:

NAME: Jane E. Remillard

REGISTRATION NUMBER: 38,872

REFRENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELEPRAX: (617) 227-7400

TELEPRAX: (617) 227-5941

INFORMATION FOR EQUID NO: 51:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 maino acids

LENGTH: 20 maino acids
                                                                                                                                                                                                                                                                                                                                                    025.6 USD2 (IMI-028CPD2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: (1). (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 55
US-09-142-524D-69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-142-524D-69; Sequence 69, Application US/09142524D; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          47...
100.0%; Pre-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 ILSEGNSFTA 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 ILSEGNSFTA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 PNDSDKKEVT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 10; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 7; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
```

g ઠ

ö

ઠે

```
Best Local Similarity 33.3%; Pred. No. 47; Matches 5; Conservative 7; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-014-416-31
                                                                ò
                                                                                                     В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                      Score 35; DB 3; Length 19;
Pred. No. 39;
4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPURY: US

ZIP: 94304-1013

COMPUTER: READABLE PORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fast SEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/048,473
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hayenga, Kirk J.
Lawlis, Virgil B.
Ward, Michael
Ward, ASPARTIC PROTEINASE DEFICIENT
FILLE OF INVENTION: FILAMENTOUS FUNGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSE: Genencor International, Inc.
STREET: 925 Page Mill Road
CITY: Palo Alto
FILE REFERENCE: 20264276

CURRENT APPLICATION NUMBER: US/09/014,416

CURRENT FILING DATE: 1999-01-27

EARLIER APPLICATION NUMBER: US 60/053,062

MUMBER OF SEQ ID NOS: 65

SOFTWARE: Patentin Ver. 2.1

SOFTWARE: Patentin Ver. 2.1

LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 07/214,237
FILING DATE: 01-JUL-1992
APPLICATION NUMBER: 07/931,123
FILING DATE: 17-AUG-1992
APPLICATION NUMBER: 08/345,018
FILING DATE: 23-NOV-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Glaister, Debra J.
REGISTRATION NUMBER: 33,888
REFERENCE/DOCKET NUMBER: GC45-4
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
STRANDEDNESS: single
STROLOGY: linear
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 12, Application US/09048473
Patent No. 6509171
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 650-846-7620
TELEFAX: 650-845-6504
INFORMATION FOR SEQ ID NO: 12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Berka, Randy M.
                                                                                                                                                                                                                                                                          34.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS
                                                                                                                                                                                         ) TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-014-416-33
                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 45.5
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                    ::| || ||::
6 TYTGPNSSDQR 16
                                                                                                                                                                                                                                                                                                                                                            7 SFTAPNDSDKK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 9
US-09-048-473-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-048-473-12
                                                                                                                                                                                                                                                                                                                                                            ò
```

33.7%; Score 34; DB 4; Length 16;

Query Match

```
Sequence 29, Application US/09014416
; Sequence 29, Application US/09014416
; Patent No. 6153421
; GENERAL INPORMATION:
    APPLICANT: Yanagi, Masayuki
; APPLICANT: Bukh, Jens
; APPLICANT: Bukh, Jens
; APPLICANT: Bukh, Jens
; APPLICANT: Bukh, Jens
; APPLICANT: Purcell, Robert H.
; TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 20264276
; CURRENT APPLICATION NUMBER: US/09/014,416
; CURRENT FILING DATE: 1998-01-27
; EARLIER FILING DATE: 1997-07-18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
: LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-014-416-31

Sequence 31, Application US/09014416

Patent No. 6153421

GENERAL INFORMATION:

APPLICANT: Wanagi, Masayuki

APPLICANT: Bukh, Jens

APPLICANT: Bukh, Jens

APPLICANT: Bukh, Jens

APPLICANT: Bukh, Jens

APPLICANT: Purcell, Robert H.

TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: 2054276

CURRENT APPLICATION WUMBER: US/09/014,416

CURRENT FILING DATE: 1998-01-27

EARLIER APPLICATION NUMBER: US 60/053,062

EARLIER FILING DATE: 1997-07-18

NUMBER OF SEQ ID NOS: 65

SOFTWARE: PatentIN Ver. 2.1

TOWNER OF SEQ ID NOS: 65

SEQ ID NO 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 34; DB 3; Length 19; Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 34; DB 3;
Pred. No. 57;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             33.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  33.7%;
                                       3 SEGNSFIAPNDSDKK 17
                                                                            1 SKGSAVTTPONNDEE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-014-416-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ::| || ||::
6 TYTEPNSSDQR 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7 SFTAPNDSDKK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 TYTKPNSSDOR 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 SFTAPNDSDKK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 170, Application US/08475263
Fatent No. 5759994
GENERAL INFORMATION:
APPLICANT: COUGHLIN, SHAUN R.
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT THROMBIN RECEPTOR AND TITLE OF INVENTION: RELATED PHARMACEUTICALS
NUMBER OF SEQUENCES: 223
CORRESPONDENCE ADDRESS:
ADDRESSE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave., NW
Sequence 170, Application US/07789184

Patent No. 5688768

GENERAL INFORMATION:
APPLICANT: COUGHLIN, SHAUN R.
APPLICANT: CARRENCOUGH, ROBERT M.
TITLE OF INVENTION: RELOADINANT THROMBIN RECEPTOR AND TITLE OF INVENTION: RELATED PHARMACEUTICALS

NUMBER OF SEQUENCES: 223

CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER

STREET: 755 Page Mill Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Indels
                                                                                                                                                                                                                                  STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUW TYPE: FLOSPY disk
COMPUTER: IBM PC COMPATIBLE
ORPHATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/789,184
FILING DATE: 19911107
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 31; DB 1;
Pred. No. 1e+02;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 22000-20502.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 913-5600
TELEFAX: (415) 494-0792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (415)
TELEFAX: (415)
TELEX: 34-0154
INFORMATION FOR SEQ ID NO: 170:
SEQUENCE CHARACTERISTICS:
**CATTH: 12 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 30.7%;
Best Local Similarity 58.3%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7 SFTAPNDSDKKE 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 SFLARNPNDKYE 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
TOPOLOGY:
US-07-789-184-170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-475-263-170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: PEPTIGE APPLICATION NUMBER: US/09/142,524D
FRIOR PILING DATE: 1997-09-10
PRIOR FILING DATE: 1997-03-10
PRIOR FILING DATE: 1997-03-10
FRIOR FILING DATE: 1997-03-10
FRIOR FILING DATE: 1997-03-10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 117
LENGTH: 15
                                                           Sequence 35 Application US/09014416

Patent No. 6153421

GENERAL INFORMATION:
APPLICANT: Yanagi, Masayuki
APPLICANT: Bukh, Jens
APPLICANT: Bukh, Jens
APPLICANT: Emerson, Susanne U.
APPLICANT: Emerson, Susanne U.
APPLICANT: Purcell, Robert H.
TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
TITLE OF INVENTION: USES THEREOF
FILE REPERENCE: 20264276
CURRENT APPLICATION NUMBER: US 60/053,062
CURRENT FILING DATE: 1998-01-27
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 65
SOFTWARE PATENTION OF: 2.1
SEQ ID NO 35
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 34; DB 3; Length 19;
Pred. No. 57;
4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32.7%; Score 33; DB 4; Length 15; 70.0%; Pred. No. 63; 3; Indels tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (1). (15)
CTHER INFORMATION: Cryj2 peptide, Figure 2, Row 34
US-09-142-524D-117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 117, Application US/09142524D Patent No. 6719976 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        33.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT; ORGANISM: Hepatitis C virus US-09-014-416-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match
Best Local Similarity 45.5
Local Similarity 5.5
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ::| || ||::
6 AYTEPNSSDQR 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7 SFTAPNDSDKK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 GNSFTAPNDS 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 GISITAPRDS 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-142-524D-117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 14
US-07-789-184-170
                                                    US-09-014-416-35
```

ò

g

셤

ઠે

Sequence Sequence Sequence Sequence

```
Sequence 74, Appl
Sequence 72, Appl
Sequence 75, Appl
Sequence 93, Appl
Sequence 1269, Ap
Sequence 1270, Ap
Sequence 1271, Ap
Sequence 1267, Ap
Sequence 1267, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 73, Appl
Sequence 74, Appl
                                                                                                                   June 20, 2005, 15:55:27 ; Search time 72.4 Seconds (without alignments) 106.072 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB_pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB_pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB_pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB_pep:*
7: /cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB_pep:*
7: /cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB_pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-354-240-73

US-10-354-240-74

US-10-354-240-72

US-10-354-240-72

US-10-364-240-72

US-10-468-496-1269

US-10-468-496-1269

US-10-468-496-1271

US-10-468-496-1267

US-10-468-496-1267

US-10-468-496-1267

US-10-468-496-1267

US-10-468-496-1267
                                                                                                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                             1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Listing first 45 summaries
                                                                                     - protein search, using sw model
                                                                                                                                                                                                                              119
1 CANWVWRSTQDSFNNGAYFV 20
                                                                                                                                                                                                                                                                                                                   Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Minimum Match 0% Maximum Match 100%
                                                                                                                                                                                                             US-09-202-464-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                              Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   559.7
34.5
34.5
34.5
34.5
332.8
31.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   71
67
71
74
74
70
70
70
71
71
71
71
71
71
                                                                                                                                                                                                                                     score:
                                                                                     OM protein
                                                                                                                                                                                                                                                        Seguence:
                                                                                                                                                                                                                                                                                                                                                             Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Database
                                                                                                                            Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1264397911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Š.
```

```
APPLICANT: Knue, Atinori
APPLICANT: Knue, Atito
TILE OF INVENTION: Deptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REPERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: US/10/997/00740
PRIOR PILING DATE: 1997-03-10
PRIOR PELING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 73
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
     Aguence 262, App
aguence 263, App
equence 263, App
equence 154, App
equence 162, App
equence 162, App
sequence 139, App
Sequence 139, App
Sequence 139, App
Sequence 287, App
Sequence 287, App
Sequence 265, App
Sequence 265, App
Sequence 265, App
Sequence 265, App
Sequence 213, App
Sequence 212, App
                                                                                                       261, .
283, .
1326,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                  Sequence 3
Sequence 1
Sequence 1
                                                                                                                   Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 59.7%; Score 71; DB 14; Length 15; Best Local Similarity 73.3%; Pred. No. 0.0029; Matches 11; Conservative 2; Mismatches 2; Indels
US-10-714-564A-323

US-10-714-564A-324

US-10-714-564A-325

US-10-714-564A-328

US-10-714-564A-328

US-10-714-564A-134

US-10-714-564A-1336

US-10-714-564A-283

US-10-714-564A-283

US-10-714-564A-284

US-10-714-564A-285

US-10-714-564A-285

US-10-714-564A-286

US-10-714-564A-287

US-10-714-564A-287

US-10-714-564A-287

US-10-714-564A-287

US-10-714-564A-287

US-10-714-564A-287

US-10-714-564A-287

US-10-714-564A-288

US-10-714-564A-313

US-10-714-564A-318

US-10-714-564A-318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1).7(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 73, Application US/10354240; Publication No. US20030185847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JS-10-354-240-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-354-240-73
```

ઠે 셤

```
APPLICANT: Sone, Toshio
APPLICANT: Sone, Akinori
APPLICANT: Sone, Akinori
APPLICANT: Sone, Akinori
APPLICANT: Sone, Akinori
APPLICANT: Sone, Akino
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseas
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT APPLICATION NUMBER: US/10/354,240
FRIOR APPLICATION NUMBER: US/203-01-29
FRIOR APPLICATION NUMBER: US/203-01-09
FRIOR PILING DATE: 1997-03-10
FRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 75
LENGTH: 15
                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 93, Application US/10742379

Sequence 93, Application US/10742379

Publication No. US20040181033A1

GENERAL INFORMATION:

APPLICANT: Han, HO

APPLICANT: Bone, Thomas Charles

APPLICANT: Bone, Thomas Charles

TITLE OF INVENTION: BINDING AGENTS WHICH INHIBIT MYOSTATIN

FILE REFERENCE: A-828 (US)

CURRENT APPLICATION NUMBER: US/10/742,379

CURRENT FILING DATE: 2003-12-19

PRIOR APPLICATION NUMBER: US 60/435,923

PRIOR FILING DATE: 2002-12-20

NUMBER OF SEQ ID NOS: 634

SOFTWARE: Patentin version 3.2

LENGTH: 18
                        Score 57; DB 14; Length 15; Pred. No. 0.29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 41; DB 14; Length 15;
Pred. No. 56;
0; Mismatches 2; Indels
                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE
CCATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 61
US-10-354-240-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , OTHER INFORMATION: Myostatin Binding Peptide US-10-742-379-93
                                                                                                                                                                                                                                                                                                        Sequence 75, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                        Query Match
Best Local Similarity 80.0%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          34.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                           |:||||:|||
6 CSNWVWQSTQ 15
                                                                                                                                1 CANWIVWRSTO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11 DSFNNGAYFV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 DVFYNGAYFV 10
                                                                                                                                                                                                                                                                                           JS-10-354-240-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-742-379-93
                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                      ; Sequence 74, Application US/10354240
; Publication No. US2030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Sone, Toshio
; APPLICANT: Wama, Akinori
; APPLICANT: Wama, Akinori
; APPLICANT: Wama, Akinori
; APPLICANT: Wama, Akinori
; APPLICANT: Wama, Akino
; APPLICANT: Wama, Akino
; APPLICANT: Wama, Akino
; APPLICANT: Wama, Akino
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic
; CURRENT APPLICATION NUMBER: DC1/JP97/00740
; PRIOR PILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PC1/JP97/00740
; PRIOR APPLICATION NUMBER: DC1/JP97/00740
; PRIOR APPLICATION NUMBER: DC1/JP97/00740
; PRIOR APPLICATION NUMBER: DC1/JP97/00740
; PRIOR PILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOCTANARE: PatentIn version 3.1
; SEQ ID NO 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 72, Application US/10354240

| Sequence 72, Application US/10354240
| Publication No. US20030185847A1
| GENERAL INFORMATION:
| APPLICANT: Sone, Toshio
| APPLICANT: Sone, Toshio
| APPLICANT: Mame, Akinori
| APPLICANT: Iwame, Akinori
| TITLE OF INFORTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
| TITLE OF INFORTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
| TITLE OF INFORTION NUMBER: US/10/354,240
| CURRENT APPLICATION NUMBER: PCT/JP97/00740
| PRIOR PPLING DATE: 1997-03-10
| PRIOR PPLING DATE: 1998-09-09
| PRIOR PLING DATE: 1998-09-09
| WUMBER OF SEQ ID NOS: 174
| SOFTWARE: PatentIn Version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        56.3%; Score 67; DB 14; Length 15; 80.0%; Pred. No. 0.011; tive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; NAME/KEY: MISC_FEATURE
; LOCATION: (1): (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 58
US-10-354-240-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Cryptomeria japonica
1 CANWVWRSTQDSFNN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 WRSTQDSFNNGAYFV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 3
US-10-354-240-72
                                                                                                                          RESULT 2
US-10-354-240-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-354-240-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 72
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
```

ઠે

```
FRIOR FILING DATE: 2001-03-08

PRIOR FILING DATE: 2001-03-08

PRIOR PILING DATE: 2001-03-15

PRIOR PILING DATE: 2001-03-15

PRIOR PILING DATE: 2001-03-15

PRIOR PILING DATE: 2001-03-15

PRIOR PILING DATE: 2001-03-20

PRIOR PILING DATE: 2001-03-20

PRIOR PILING DATE: 2001-03-20

NUMBER OF SEQ ID NOS: 2036

SOFTWARE: PRECEQ for Windows Version 4.0

LENGTH: 13
                                 ION NUMBER: 01105777.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity, 63.6%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
       2001-02-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |:||| :| ||
2 WLWRSAKD-FN 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 WVWRSTQDSFN 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 WVWRSTQDSFN 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1270, Application US/10468496
Publication No. US20040180386A1
GENERAL INFORMATION:
APPLICANT: Carter, Graham
APPLICANT: Carter, Graham
APPLICANT: Williams, Stephen
APPLICANT: Williams, Stephen
APPLICANT: Williams, Stephen
APPLICANT: Hamilton Anita
TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
TITLE OF INVENTION: IMMUNOSENCITY
FILE REPERENCE: MEET-117
CURRENT APPLICATION NUMBER: US/10/468,496
CURRENT FILING DATE: 2003-09-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED TITLE OF INVENTION: IMMUNOGENCITY
                                                      Gaps
                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 16; Length 13;
     DB 16; Length 18;
                                                   2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: MHC class II binding epitope
  Score 41; DB 1
Pred. No. 67;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TILLE REPERENCE: MER-117
CURRENT APPLICATION NUMBER: US/10/468,496
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 01103954.2
PRIOR PILING DATE: 2001-02-19
PRIOR PILING DATE: 2001-02-19
PRIOR PLING DATE: 2001-03-08
PRIOR PLING DATE: 2001-03-15
PRIOR PLING DATE: 2001-03-20
PRIOR PILING DATE: 2001-03-20
PRIOR PILING DATE: 2001-03-20
PRIOR PILING DATE: 2001-03-20
NUMBER OF SEQ ID NOS: 2036
SECTRARE: FRAESERY FOR WINDOWN VERSION 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34.0%; Score 40.5; I 63.6%; Pred. No. 58; Live 2; Mismatches
                                                                                                                                                                                                                                                                      Sequence 1269, Application US/10468496; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 01103954.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
34.5
Best Local Similarity 66.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 WVWRSTQDSFN 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:||| :| || WLWRSAKD-FN 12
                                                                                                                                1 CANWVWRST 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 7
US-10-468-496-1270
                                                                                                                                                                                                                                                  US-10-468-496-1269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-468-496-1269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
```

```
US-10-468-456-1271

| Sequence 1271, Application US/10468496 |
| Publication No. US20040186A1 |
| GENERAL INFORMATION: |
| APPLICANT: Carr, Francia J. |
| APPLICANT: Williams, Stephen |
| APPLICANT: Hamilton, Anita |
| TITLE OF INVENTION: METHOD OR IDENTIFICATION OF T-CELL |
| TITLE OF INVENTION: METHOD OF 100-10-10 |
| FILE REFERENCE: MET. 100-10-21 |
| PRIOR FILING DATE: 2001-03-15 |
| PRIOR FILING DATE: 2001-03-20 |
| PRIOR FILING DATE: 2001-03-15 |
| P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gapa
                                                                                                                                                                                                                                           Ξ,
                                                                                                                                              Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indele
                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 34.0%; Score 40.5; DB 16;
63.6%; Pred. No. 58;
tive 2; Mismatches 1;
                                                                                                                                         Score 40.5; DB 16;
Pred. No. 58;
; OTHER INFORMATION: MHC class II binding epitope US-10-468-496-1270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: MHC class II binding epitope US-10-468-496-1271
                                                                                                                                                                                                                                           2; Mismatches
```

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Callet, vialisms, Stephen
APPLICANT: Williams, Stephen
TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
TITLE OF INVENTION: INMUNOGENCITY
FILE OF INVENTION: INMUNOGENCITY
FILE OF INVENTION: INMUNOGENCITY
FILE OF INVENTION: INMUNER: US/10/468,496
CURRENT APPLICATION NUMBER: U103954.2
PRIOR FILING DATE: 2001-02-19
PRIOR FILING DATE: 2001-03-15
PRIOR FILING DATE: 2001-03-20
PRIOR FILING DATE: 2001-03-20
PRIOR PRILING DATE: 2001-03-20
PRIOR FILING DATE: 2001-03-20
PRIOR PRILING DATE: 2001-03-20
PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1268, Application US/10468496

Publication No. US20040180386A1

GENERAL INFORMATION:
APPLICANT: Carter, Graham
APPLICANT: Jones, Tim
APPLICANT: Hamilton, Anita
TITLE OF INVENTION: IMPUNGENCITY
TITLE OF INVENTION: IMPUNGENCITY
FILE REFERENCE: MEE-17

CURRENT APPLICATION NUMBER: US/10/468,496

CURRENT FILING DATE: 2001-02-19

PRIOR FILING DATE: 2001-02-19

PRIOR FILING DATE: 2001-02-19

PRIOR FILING DATE: 2001-03-08

PRIOR FILING DATE: 2001-03-15

PRIOR FILING DATE: 2001-03-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32.8%; Score 39; DB 16; Length 13; 62.5%; Pred. No. 95; cive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: MHC class II binding epitope
                                                                                                                                                                                                                                  Sequence 1267, Application US/10468496
Publication No. US20040180386A1
GENERAL INFORMATION:
APPLICANT: Carr, Francis J.
APPLICANT: Carter, Graham
APPLICANT: Jones, Tim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32.8
Best Local Similarity 62.5
Matches 5, Conservative
|:||| :| ||
1 WLWRSAKD-FN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 WVWRSTOD 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |:||| :|
6 WLWRSAKD 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 10
US-10-468-496-1268
                                                                                                                                                                                                 US-10-468-496-1267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-468-496-1267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a
                                         ద
```

```
%30-16-15

Sequence 15, Application US/09962445

Sequence 15, Application No. US20020192705A1

Sequence 15, Application No. US20020192705A1

GENERAL INFORMATION:

TITLE OF INVENTION: Clonal Expansion of T Cells of Unknown Specificity and Identificat

TITLE OF INVENTION: Ligand Recognized by the Clonally Expanded T Cells

TITLE OF INVENTION: Ligand Recognized by the Clonally Expanded T Cells

CURRENT APPLICATION NUMBER: US/09/962,445

CURRENT APPLICATION NUMBER: US/09/962,445

PRIOR FILING DATE: 2001-03-21

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PALENTI VERSION 3.1

SEQ ID NO 15

LENGTH: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                32.8%; Score 39; DB 16; Length 13; ilarity 62.5%; Pred. No. 95; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NESOUL 12-S64A-323

Sequence 323, Application US/10714564A

Publication No. US20040175361A1

GENERAL INFORMATION:
APPLICANT: Blaschuk, Orest W.
APPLICANT: Michaud, Stephanie D.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
TITLE OF INVENTION: COMPOUNDS NO NONCLASSICAL CADHERINS
FILE REFERENCE: 100086-418
CURRENT APPLICANTON NUMBER: US/10/714,564A

CURRENT FILING DATE: 2003-11-14

NUMBER OF SEQ ID NOS: 1402

SEQ ID NO 323

LENGTH: T

TYPE: PRT

CURCHING ARTIFICIAL SEQUENCE

SEQ ID NO 323

LENGTH: T

CORGANISM: ARTIFICIAL SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 37; DB 9; Length 8; Pred. No. 1.6e+06; 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: MHC class II binding epitope US-10-468-496-1268
                   PRIOR FILING DATE: 2001-03-15
PRIOR APPLICATION NUMBER: 01107012.5
PRIOR PILING DATE: 2001-03-20
PRIOR APPLICATION NUMBER: 01106899.6
PRIOR PILING DATE: 2001-03-20
NUMBER OF SEQ ID NOS: 2036
SOFTWARE: PastSEQ for Windows Version 4.0
LENGTH: 13
PRIOR APPLICATION NUMBER: 01106536.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Japanese cedar pollen
US-09-962-445-15
                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
31.1%;
Best Local Similarity 87.5%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 WVWRSTOD 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13 FNNGAYFV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 WLWRSAKD 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 5; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 FYNGAYFV 8
```

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 14
US-10-714-564A-325
; Sequence 325, Application US/10714564A
; Publication No. US2040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100006.418
; CURRENT APLICATION UMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SEQ ID NO 325
; LENGTH: 9
; LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 324, Application US/10714564A
| Publication No. US20040175361A1
| GENERAL INFORMATION: COMPOUNDS |
| APPLICANT: Blaschuk, Orest W. |
| APPLICANT: Blaschuk, Orest W. |
| TITLE OF INVENTION: COMPOUNDS AND WETHODS FOR MODULATING |
| TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS |
| TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS |
| TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS |
| TITLE OF INVENTION: ENGRET |
| TITLE OF INVENTION: ENGRET |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: ENGRET |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATING |
| TITLE OF INVENTION: PUNCTIONS AND METHODS FOR MODULATIONS AND METHODS
                                                                                                                                                          29.4%; Score 35; DB 16; Length 7; 66.7%; Pred. No. 1.6e+06; Live 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29.4%; Score 35; DB 16; Length 8; 66.7%; Pred. No. 1.68+06; ive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29.4%; Score 35; DB 16; Length 9; 66.7%; Pred. No. 1.6e+06; tive 1; Mismatches 1; Indels
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Exemplary cyclic peptide US-10-714-564A-324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Exemplary cyclic peptide US-10-714-564A-325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                          Query Match 29.4
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | :|||
CRSWVW 6
                                                                                                                                                                                                                                                                                                                        1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                | :|||
1 CRSWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | :|||
1 CRSWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 13
US-10-714-564A-324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rype: prt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             d
                                                                                                                                                                                                                                                                                                                                                                                             d
                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
```

```
RESULT 15
USE-10-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

19-0-714-564A-326

10-0-714-564A-326

29-4*; Score 35; DB 16; Length 10; Best Local Similarity 66.7*; Pred. No. 2.8e+02; Matches 4; Conservative 1; Mismatches 1; Indels 0; Search completed: June 20, 2005, 16:29:57
```

THIS PAGE BLANK (USP 10)

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02154
                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1
US-08-467-023-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                       (without alignments)
69.120 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 114,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                     June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Issued Patents AA:*

(cgn2_6/ptodata/1/iaa/5A_CCMB.pep:*
(cgn2_6/ptodata/1/iaa/5B_CCMB.pep:*
(cgn2_6/ptodata/1/iaa/6A_CCMB.pep:*
(cgn2_6/ptodata/1/iaa/6B_CCMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/backfiles1.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-467-023-55

US-09-142-554D-75

US-09-142-554D-72

US-09-142-554D-72

US-08-467-023-54

US-08-467-023-54

US-08-467-023-56

US-08-33-318A-138

US-08-433-318A-138

US-08-433-318A-146

US-08-922-048-146

US-08-922-048-146

US-09-111-681C-1654

US-09-111-681C-1654

US-08-433-318A-122

US-08-433-318A-122

US-08-433-318A-122

US-08-433-318A-122

US-08-433-318A-122

US-08-922-048-122

US-08-922-048-122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-433-318A-169
                                                                                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                            513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                               OM protein - protein search, using sw model
                                                                                                                                                                                                                       119
1 CANWVWRSTQDSFNNGAYFV 20
                                                                                                                                                                                                                                                                                 BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                  US-09-202-464-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 20
                                                                                                                                                                                                                       Perfect score:
                                                                                                                                                                                                                                                                                 Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                              Sequence:
                                                                                                                                                                                                                                                                                                                                              Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Result
No.
                                                                                                                       Run on:
```

App	App	App	App	App	App	App	App	App	App	App	App	App	Appl	Appl	App	App	Appl
177,	106,	114,	169,	177,	122,	130,	185,	193,	106,	114,	169,	177,	90,	98,	153,	161,	90,
Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Seguence	Seguence	Sequence	Sequence	Sequence	Sequence
US-08-433-318A-177	US-08-922-048-106	US-08-922-048-114	US-08-922-048-169	US-08-922-048-177	US-09-111-681C-122	US-09-111-681C-130	US-09-111-681C-185	US-09-111-681C-193	PCT-US96-06270-106	PCT-US96-06270-114	PCT-US96-06270-169	PCT-US96-06270-177	US-08-433-318A-90	US-08-433-318A-98	US-08-433-318A-153	US-08-433-318A-161	US-08-922-048-90
-1	N	N	~	~	4	4	4	4	ហ	'n	ß	ß	Н	-1	н	н	7
14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15
28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

ALIGNMENTS

```
US-08-467-023-55

1 Sequence 55, Application US/08467023

2 Sequence 55, Application US/08467023

2 Septicant Policok, Joanne, Applicant Policok, Joanne, Applicant Bollock, Joanne, Hichard D;

3 APPLICANT Round, Julian F;

3 APPLICANT Round, Sisteman, Hichard, Applicant Extery, Mark A.;

3 APPLICANT Extery, Mark A.;

4 APPLICANT Extery, Mark A.;

4 APPLICANT Extery, Mark A.;

5 APPLICANT Extery, Mark A.;

7 ITLE OF INVENTION: Japanese Cedar Pollen

NUMBER OF SEQUENCES; 261

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.

5 STREE: Maitham

STREE: 18 PC Compatible

COMPRESS: Lamulogic Pharmaceutical Corporation, Inc.

STREE: Maitham

APPLICATION NUMBER: 025.6 USDZ (IMI-028CPDZ)

TELEPHONE: (617) 227-594

STREEPHONE: (617) 227-5
```

```
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
TITUE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
TITUE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
TURENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 72
LENGTH: 15
                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
0
                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Pollock, Joanne; APPLICANT: Pollock, Joanne; APPLICANT: Pollock, Joanne; APPLICANT: Bond, Julian F.; APPLICANT: Garman, Richard D; APPLICANT: Garman, Richard D; APPLICANT: Kuo, Mei-Chang; APPLICANT: Kuo, Mei-Chang; APPLICANT: Brauer, Andrew; APPLICANT: Brauer, Andrew; APPLICANT: Brauer, Steven P. TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen NUMBER OF SEQUENCES: 261
CORRESPONDENCES: 261
ADDRESSEE: Immulcogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 57; DB 4; Length 15;
Pred. No. 0.032;
2; Mismatches 0; Indels
                                                                                                                                                              2; Indels
   ; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 60 US-09-142-524D-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 58
US-09-142-524D-72
                                                                                            Score 67; DB 4;
Pred. No. 0.001;
                                                                                                                                                              1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 72, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 54, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         47.9%;
                                                                                            sch 56.3%;
al Similarity 80.0%;
12; Conservative
                                                                                                                                                                                                                          6 WRSTQDSFNNGAYFV 20
                                                                                                                                                                                                                                                                                      1 WOSTÓDVFYNGAÝFV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FAREAL .... ACC. .... APPLICAN: APPLICANT: Sone, Toshio APPLICANT: Kume, Akinori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CANWVWRSTQ 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC_FEATURE
                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-467-023-54
                                                                                                                                                           Matches
                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 74, Application US/09142524D

Patent No. 671976

GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kazuo
APPLICANT: Wama, Akinori
APPLICANT: Wind: Akinori
A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION Deptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103
CURRENT APPLICATION WUMBER: 099-09-09
PRIOR APPLICATION NUMBER: DCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 73
                                                                                                                                 ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                           Query Match 82.4%; Score 98; DB 3; Length 20; Best Local Similarity 80.0%; Pred. No. 3.1e-08; Matches 16; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     59.7%; Score 71; DB 4; Length 15; 73.3%; Pred. No. 0.00025; Live 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , LOCATION: (1). (15)
, OTHER INFORMATION: Cryjl peptide, Figure 1, Row 59
US-09-142-524D-73
                                                                                                                                                                                                                                                                                                                                              RESULT 2
US-09-140-524D-73
Sequence 73, Application US/09142524D
Sequence 73, Application US/09142524D
GENERAL INFORMATION:
APPLICANT: Sone, Toshio;
APPLICANT: Kume, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
                                                                                                                                                                                                                          1 CSNWVWQSTQDVFYNGAYFV 20
                                                                                                                                                                                            1 CANWVWRSTQDSFNNGAYFV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CANWVWRSTQDSFNN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CSNWVWQSTQDVFYN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 73.39
The Conservative 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC FEATURE LOCATION: (1). (15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-142-524D-74
US-08-467-023-55
                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                        APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bollock, Joanne;
APPLICANT: Bollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mal-Chang;
APPLICANT: Kuo, Mal-Chang;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Appanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSES: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM:
OPERATING SYSTEM:
OPERATING SYSTEM:
OPERATING SYSTEM:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillar d
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 107, Application US/08934915
Patent No. 5922412
GENERAL INFORMATION:
APPLICANT: DILLNER, JOAKIM
APPLICANT: DILLNER, LENA
APPLICANT: CHENG, HWEE-MING
TITLE OF INVENTION: SYNTHETIC PEPTIDES OF HUMAN
TITLE OF INVENTION: PAPILLOWAVIRUS 1, 5, 6, 8,
TITLE OF INVENTION: 11, 16, 18, 31, 33 AND 56,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 41; DB 3
Pred. No. 11;
0; Mismatches
                                                                                                      Sequence 56, Application US/08467023 Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    34.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11 DSFNNGAYFV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 DVFYNGAYFV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JS-08-934-915-107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 6
US-09-142-524D-75
i Sequence 75, Application US/09142524D
i Patent No. 6719976
j GENERAL INFORMATION:
APPLICANT: Sone, Toshio
j APPLICANT: Manne, Akinori
APPLICANT: Wanne, Akinori
APPLICANT: Wanne, Akinori
j APPLICANT: Wanne, Akinori
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: 1998-09-09
FILE REFERENCE: SPO-103
CURRENT FILING DATE: 1998-09-09
PRIOR PRIOR DATE: 1997-009
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 75
ILENCTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             34.5%; Score 41; DB 4; Length 15; 80.0%; Pred. No. 8; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PLING DATE: Use 6, 1995
FILING DATE: Use 6, 1995
FILING DATE: Use 6, 1994
PRIOR APPLICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remilland
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
FILECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION OF $27-5941
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LOCATION: (1). [(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 61
US-09-142-524D-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 47.9%; Score 57; DB 3; Best Local Similarity 80.0%; Pred. No. 0.044; Matches 8; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 80.0°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide FRAGMENT TYPE: internal
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 CSNWVWQSTQ 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 DSFNNGAYFV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 DVFYNGAYFV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CANWVWRSTQ 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-467-023-54
```

g

셤

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 28.6%; Score 34; DB 1; Length 10; Best Local Similarity 66.7%; Pred. No. 58; Matches 4; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                               Score 34; DB 1; Length 10; Pred. No. 58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Greene, Mark I.
TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND
TITLE OF INVENTION: METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: Wo. 5663144ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/433,318A
FILING DATE: 03-MAY-1995
CLASSIFICATION S14
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: Mark Deluca
REGISTRATION NUMBER: 33,229
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
SEQUENCE CHARACTERISTICS:
                                   PILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Mark DeLuca
REGISTRATION NUMBER: 33,229
REGISTRATION NUMBER: UPN-2106
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3139
INFORMATION FOR SEQ ID NO: 138:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 10
28.08-433-318A-146
; Sequence 146, Application US/08433318A
; Patent No. 5663144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC Compatibl
OPERATING SYSTEM: Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                  28.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WORDPERFECT 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Conservative
                                                                                                                                                                                                                                                                                                                , MOLECULE TYPE: peptide
US-08-433-318A-138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide
               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           unknown
                                                                                                                                                                                                                                                                                                        TYPE: amino acid
TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 CENWEW 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                      LENGIH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-433-318A-146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: PA
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 9
US-08-433-318A-138
US-08-433-318A-138
; Sequence 138, Application US/08433318A
; Patent No. 5663144
; GENERAL INFORMATION:
    TITLE OF INVENTION:
    TITLE OF INVENTION: METHODS OF USING THE SAME
    NUMBER OF SEQUENCES: METHODS OF USING THE SAME
    NUMBER OF SEQUENCES: ADDRESSE:
    ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & ADDRESSEE: No. 5663144ris
    STREET: One Liberty Place - 46th Floor
    CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 31.1%; Score 37; DB 2; Length 20; Best Local Similarity 57.1%; Pred. No. 44; Matches 8; Conservative 1; Mismatches 3; Indels
TITLE OF INVENTION: USEFUL IN IMMUNOASSAY FOR NUMBER OF SEQUENCES:

NUMBER OF SEQUENCES:
SEQUENCES:
ADDRESSE:
ADDRESSE:
ADDRESSE:
MASON & ASSOCIATES, P.A.
STREET: 1757 U.S. HWY. 19 NORTH, SUITE 500
CITY: CLEARWATER
STRATE: FLORIDA
COUNTRY: U.S.A.
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: 1BM PC compatible
OPERATING SYSTEM: Windows 3.0
SOFTWARRE: MICROSOFT WORD 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,915
FILING DATE: 22-SEP-1997
CLASSIFICATION DATA:
APPLICATION NUMBER: 07/949,836
FILING DATE: LOUISE A. FOULCh
REGISTRATION NUMBER: 37,133
REFERENCE/DOCKET NUMBER: 37,133
REFERENCE/DOCKET NUMBER: 37,133
REFERENCE/DOCKET NUMBER: 1946.6
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECAKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: DISKETTE, 3.5 INCH
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: Windows
SOFTWARE: WORDPERFECT 6
CURRENT APPLICATION DATA:
RPLICATION NUMBER: US/08/433,318A
FILING DATE: 03-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 107:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 WVWRST--QDSFNN 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 WIQROTVLOHSFNN 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , MOLECULE TYPE: peptide US-08-934-915-107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETT
```

g

ઠે

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: O'ROLFE, Donald M.
APPLICANT: O'ROLFE, Donald M.
APPLICANT: Murali, Ramechandran
APPLICANT: Park, Byeong Woo
TITLE OF INVENTION: Compositions And Methods Of Treating Tumors
FILE REFERENCE: UPN3458
CURRENT APPLICATION NUMBER: U$/09/111,681C
CURRENT FILING DATE: 1998-07-08
PRIOR APPLICATION NUMBER: 60/076,788
PRIOR APPLICATION NUMBER: 60/076,788
PRIOR PAPLICATION NUMBER: 05/076,788
NUMBER OF SEQ ID NOS: 200
SOCIETANE: Patentin version 3.1
SOCIETANE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 2; Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 34; DB 4; Length 10;
Pred. No. 58;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 34; DB 2
Pred. No. 58;
0; Mismatches
                                                                                                                                                                                                                                                                                      NAME: Mark Deluca
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: UPN-2106
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 146:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                       FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/433,318
FILING DATE: 03-MAY-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) OTHER INFORMATION: Synthetic Sequence US-09-111_681C-154
COUNTRY: USA
ZIF: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH
COMPUTER: IBM PC COMPACTIBLE
OPERATING SYSTEM: Windows
SOFTWARE: WORDPERFECT 6
                                                                                                             SOFTWARE: WORDPERFECT 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/922,048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 154, Application US/09111681C
Patent No. 6417168
GENERAL INFORMATION:
APPLICANT: Greene, Mark I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 28.6%;
Best Local Similarity 66.7%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 CENWEW 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 CENWEW 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-111-681C-154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-922-048-146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 34; DB 2; Length 10;
Pred. No. 58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-922-048-146
; Sequence 146, Application US/08922048
; Sequence 146, Application US/08922048
; Patent No. 5919764
; GENERAL INFORMATION:
APPLICANT: Greene, Mark I.
TITLE OF INVENTION: COMPOUNDS THAT BIND TO P185 AND TITLE OF INVENTION: METHODS OF USING THE SAME NUMBER OF SEQUENCES: 144
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & ADDRESSEE: No. 5919764xi8
; STREET: One Liberty Place - 46th Floor
                                                                                           ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & ADDRESSEE: No. 5919764ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/433,318
FILING DATE: 03-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: MARK DELUCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: WORDERFECT 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/922,048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: UPN-2106
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 138:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (215) 568-3100
TELEPAX: (215) 568-3439
INFORMATION FOR SEC ID NO: 138
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match
Best Local Similarity 66.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: unknown;
MOLECULE TYPE: peptide
US-08-922-048-138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
   CANWVW 6
                             CENWEW 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CENWEW 7
                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 12
```

8

ö

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
RESULT 14
US-09-111-681C-162
; Sequence 162, Application US/09111681C
; Patent No. 6417468
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: Greene, Mark I.
; APPLICANT: O'ROUNTE, Donald M.
; APPLICANT: O'ROUNTE, Donald M.
; TITLE OF INVANTION: Compositions And Methods Of Treating Tumors
; TILLE OF INVANTION: Compositions And Methods Of Treating Tumors
; FILE REFERENCE: UPN3458
; CURRENT FILING DATE: 1998-07-08
; PRIOR PILING DATE: 1998-07-08
; PRIOR FILING DATE: 1998-03-04
; NUMBER OF SEQ ID NOS: 200
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 138, Application PC/TUS9606270
GENERAL INFORMATION:
APPLICANT: Greene, Mark I.
APPLICANT: Zhang, Xin
TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND
TITLE OF INVENTION: METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & Norris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
COUNTRY: USA
I COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDDERFECT 5.1
CURRENT APPLICATION DATA:
HILING DATE: PCT/US96/06270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28.6%; Score 34; DB 4; Length 10; 66.7%; Pred. No. 58; 2; Indels tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR PAPPLICATION NUMBER: US 08/433,318
FILING DATE: 03-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: MAYE DELUCA
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: UPN-2748
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3439
INFORMATION FOR SEQ ID NO: 138:
SQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) OTHER INFORMATION: Synthetic Sequence US-09-111-681C-162
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 66.73
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CANWVW 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CENWEW 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 15
PCT-US96-06270-138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
```

```
TOPOLOGY: unknown

; MOLECULE TYPE: peptide

pcr-1896-06270-138

Query Match

Best Local Similarity 66.7%; Pred. No. 58;

Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CANWVW 6

| | | | | |

Db 2 CENWEW 7

Search completed: June 20, 2005, 16:00:52
Job time: 21.6 secs
```

```
(without alignments)
106.072 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Published Applications AA:*

1: \cgn2_6/ptodata/2/pubpaa/NSO7_PUBCOMB.pep:*
2: \cgn2_6/ptodata/2/pubpaa/PCT_MBW_PUB_pep:*
3: \cgn2_6/ptodata/2/pubpaa/NSO6_NBW_PUB_pep:*
4: \cgn2_6/ptodata/2/pubpaa/USO6_NBW_PUB_pep:*
5: \cgn2_6/ptodata/2/pubpaa/USO6_NBW_PUB_pep:*
6: \cgn2_6/ptodata/2/pubpaa/USO7_NBW_PUB_pep:*
7: \cgn2_6/ptodata/2/pubpaa/USO8_NBW_PUB_pep:*
7: \cgn2_6/ptodata/2/pubpaa/USO8_NBW_PUB_pep:*
8: \cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB_pep:*
9: \cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB_pep:*
11: \cgn2_6/ptodata/2/pubpaa/USO9B_PUBCOMB_pep:*
11: \cgn2_6/ptodata/2/pubpaa/USO9B_PUBCOMB_pep:*
12: \cgn2_6/ptodata/2/pubpaa/USO9B_PUBCOMB_pep:*
13: \cgn2_6/ptodata/2/pubpaa/USO9B_PUBCOMB_pep:*
14: \cgn2_6/ptodata/2/pubpaa/USO9B_PUBCOMB_pep:*
15: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
16: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
16: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
16: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
17: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
18: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
19: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
21: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
22: \cgn2_6/ptodata/2/pubpaa/USOB_PUBCOMB_pep:*
                                                                                                                                                                                                 June 20, 2005, 15:55:27; Search time 72.4 Seconds
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1714042 seqs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Listing first 45 summaries
                                                                                                                                    OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                 106
1 DSFNNGAYFVSSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0% Maximum Match 100%
                                                                                                                                                                                                                                                                                                                                             US-09-202-464-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                 Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Database
                                                                                                                                                                                                     Run on:
                                                                                                                                                                                                                                                                                                                                             Title:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

					SUMMARIES	
Result No.	Score	& Query Match	% Query Match Length DB ID	DB	ΩI	Description
П	63	59.4	15	14	US-10-354-240-76	Sequence 76, Appl
7	9	9.95	15		US-10-354-240-75	Sequence 75, Appl
٣	51	48.1	20	14	US-10-354-240-12	Sequence 12, Appl
4	41	38.7	15		US-10-354-240-74	Sequence 74, Appl
ū	37	34.9	80		US-09-962-445-15	Sequence 15, Appl
ø	36	34.0	15	14	US-10-354-240-77	Sequence 77, Appl
7	36	34.0	20	14	US-10-216-484-41	Sequence 41, Appl
80	36	34.0	20	14	US-10-384-933-41	Sequence 41, Appl
σ	35	33.0	15	17	US-10-654-601-2100	Sequence 2100, Ap
10	33	31.1	19	14	US-10-082-014-147	Sequence 147, App
11	33	31.1	19	14	US-10-372-076-177	Sequence 177, App

, ההה	37, App 37, App 37, App 5, Appl Appli Appli Appli	34, Ap Appl Appl Appl 16, Ap	0	31, Ap 44, Ap 19, Ap 32, Ap 32, Ap 58, Ap Appl 20, Ap
3778	극단었던 *4.4	933	4424464	000000
Sequence 3 Sequence 3 Sequence 3 Sequence 37 Sequence 37	Sequence Sequence Sequence Sequence Sequence	sednence Sednence Sednence Sednence Sednence	Sequence Sequence Sequence Sequence Sequence Sequence	Sequence 1031 Sequence 1044 Sequence 1012 Sequence 1058 Sequence 1058 Sequence 1058 Sequence 1058
- 664464	US-10-657-022-138 US-10-657-022-137 US-10-468-496-937 US-10-882-241-15 US-09-839-666-4 US-10-234-579-4	0-25 0-612 0-612 0-23 0-26	US-10-153-244-133 US-10-153-244-183 US-10-153-244-183 US-10-226-007-1017 US-10-226-007-1030 US-10-226-007-1030 US-10-226-007-1030 US-10-226-007-1030	1 1 1 1 1 1 0 1
	9 1 1 6 4 1 9 2 4 4 4 5 6 6 6 7	1 1 1 1 1 1 1 4 4 4	********	_
7080000 7080000000000000000000000000000	111111111111111111111111111111111111111	13 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E	115 116 116 117
310,000,000,000,000,000,000,000,000,000,	2000 2000 2000 2000 2000 2000 2000 200	2222222 28822 26.8272 26.83.44	4444444	444444444
333333		700 300 700 300 700 300 700 300	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000
1122	22 2 2 2 3 2 4 3 4 4 4 4 4 4 4 4 4 4 4 4	3 2 2 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3		8 6 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

ALIGNMENTS

```
APPLICANT: SONG TOSHIO

APPLICANT: SONG AKINOTI

APPLICANT: Mane, Akinori

APPLICANT: Mane, Akinori

APPLICANT: Wine, Akinori

APPLICANT: Wine, Akinori

APPLICANT: Wine, Kolsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Disea

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Disea

FILE REFERENCE: SONG-10-29

PRIOR APPLICATION NUMBER: US/10/354,240

PRIOR APPLICATION NUMBER: DET/JP97/00740

PRIOR PILING DATE: 1998-09-09

NUMBER OF SEC ID NOS: 174

SEC ID NO 76

LENGHARE: PatentIn version 3.1

LENGHA: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 59.4%; Score 63; DB 14; Length 15; Best Local Similarity 86.7%; Pred. No. 0.011; Matches 13; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (1). T(15) OTHER INFORMATION: Cryjl peptide, Figure 1, Row 62
                         Sequence 76, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC_FEATURE
JS-10-354-240-76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-354-240-76
```

ö

Gaps

```
y GENERAL INTOLNATION:

y APPLICANT: Sone, Toohio

y APPLICANT: Nume, Akinori

y APPLICANT: Dalriki, Kazuo

y APPLICANT: Dalriki, Kazuo

y APPLICANT: Dalriki, Kazuo

y APPLICANT: Dalriki, Kazuo

y APPLICANT: Tama, Akiko

y APPLICANT: Tama, Kalo, Kohsuke

y TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

y TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Disease

y CURRENT APPLICATION NUMBER: US/10/354,240

y CURRENT APPLICATION NUMBER: PG7/0P97/00740

y PRIOR FILING DATE: 1997-03-10

y PRIOR PILING DATE: 1998-09-09

y NUMBER OF SEQ ID NOS: 174

y SEQ ID NO 74

b LENGTH: 15

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: MATSUSHITA, Sho et al.

TITLE OF INVENTION: Clonal Expansion of T Cells of Unknown Specificity and Identificat TITLE OF INVENTION: Ligand Recognized by the Clonally Expanded T Cells FILLE REFERENCE: 0020-4906P
CURRENT APPLICATION NUMBER: US/09/962,445
CURRENT APPLICATION NUMBER: US/09/962,445
PRIOR APPLICATION NUMBER: JP 2001-79621
PRIOR APPLICATION NUMBER: JP 2001-79621
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 15
LENGTH: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         o;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      38.7%; Score 41; DB 14; Length 15; 80.0%; Pred. No. 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 37; DB 9; Length 8; Pred. No. 1.6e+06; 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 60
US-10-354-240-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-962-445-15
; Sequence 15, Application US/09962445
; Publication No. US20020192705A1
; GENERAL INFORMATION:
                                                                                                                                                                                                   Sequence 74, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Japanese cedar pollen
US-09-962-445-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 87.5%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 DSFNNGAYFV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6 DVFYNGAYFV 15
                                                                       1 SSGKNEGTNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 FNNGAYFV 10
                          11 SSGKNEGTNI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 FYNGAYFV
                                                                                                                                                                            US-10-354-240-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                  g
                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Squence 12, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Mame, Akinori

APPLICANT: Name, Akinori

PRIOR APPLICATION NUMBER: US/10/354,240

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR PILING DATE: 1999-09-09

PRIOR PILING DATE: 1999-09-09

WUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1
                                                                                                                                                                 Squence 75, Application US/10354240

Squence 75, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Rume, Akinori

APPLICANT: Wama, Akiko

APPLICANT: Wama, Akiko

TITLE OF INFORMATION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INFORMATION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INFORMATION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INFORMATION NUMBER: US/10/354,240

CURRENT FILING DATE: 1999-03-10

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR PILING DATE: 1999-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ó;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ch 48.1%; Score 51; DB 14; Length 20; 1 Similarity 100.0%; Pred. No. 1; 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              56.6%; Score 60; DB 14; Length 15; 85.7%; Pred. No. 0.032; 2; Indels tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Cryptomeria japonica
                             GAYFVSSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 DSFNNGAYFVSSGK 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DVFYNGAYFVSSGK 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 10; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 3
US-10-354-240-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-354-240-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 12
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 75
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   엄
                                             셤
  ò
```

```
APPLICANT: ESPIMINIUM INC.

TITLE OF INVENTION: Using Peptide and Nucleic Acid Compositions
TITLE OF INVENTION: Using Peptide and Nucleic Acid Compositions
FILE REFERENCE: 2060.066007
CURRENT APPLICATION NUMBER: US/10/654,601
CURRENT FILING DATE: 2003-09-04
RIOR APPLICATION NUMBER: US/09/239,043
PRIOR APPLICATION NUMBER: US 09/189,702
PRIOR APPLICATION NUMBER: US 09/189,702
PRIOR FILING DATE: 1999-01-10
PRIOR FILING DATE: 1997-11-25
PRIOR FILING DATE: 1997-11-25
PRIOR FILING DATE: 1997-13-22
PRIOR FILING DATE: 1997-03-12
PRIOR FILING DATE: 1996-03-13
PRIOR FILING DATE: 1996-03-13
PRIOR FILING DATE: 1996-03-13
PRIOR PLING DATE: 1996-03-13
PRIOR PLING DATE: 1998-10-03-13
PRIOR PLING DATE: 1998-10-03-13
PRIOR PLING DATE: 1998-10-03-13
PRIOR PLING DATE: 1998-10-03-13
PRIOR PLING DATE: 1998-06-05
PRIOR PLING DATE: 1998-06-05
PRIOR PLING DATE: 1998-12-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                      us-lu-384 933-41

Sequence 41, Application US/10384933

Publication No. US20030170817A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030170817A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Tawahasi, Kaori

APPLICANT: Tawahasi, Tohuko

APPLICANT: Towahasi, Tohuko

TITLE OF INVENTION NUMBER: US/10/384,933

CURRENT FILING DATE: 2003-02-05

PRIOR PELING DATE: EARLIER FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 41

LENGTH: 20

WANDER: DATE

LENGTH: 20

WANDER: DATE

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 36; DB 14; Length & Pred. No. 1.98+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 08/344,824 PRIOR FILING DATE: 1994-11-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/278,634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2100, Application US/10654601
Publication No. US20050063983A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Livingston, Brian D.
Cells, Esteban
Kubo, Ralph T.
Grey, Howard M.
Chesnut, Robert
Epimmune Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      34.0%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sidney, John
Southwood, Scott
Vitiello, Maria A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Sette, Alessandro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 SSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 SSGKYEGGNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-384-933-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION, NOUNERS CONTRIBUTED OF TITLE OF THE OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 36; DB 14; Length 20;
Pred. No. 1.9e+02;
0. Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34.0%; Score 36; DB 14; Length 15; 80.0%; Pred. No. 1.4e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: (1). (15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 63
US-10-354-240-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 41, Application US/10216484

Sequence 41, Application US/10216484

Sequence 41, Application US/10216484

Sequence 41, Application US/20030103976A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976Alufusa

APPLICANT: Tamaki, Ikuko

APPLICANT: Tamaki, Ikuko

APPLICANT: Takahashi, Tohru

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR PILING DATE: 1998-04-01

WUMBER OF SEQ ID NOS: 165

LENGTH: 20
                                                                 Sequence 77, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Cryptomería japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         34.0%;
80.0%;
                                                                                                                                                                         APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34.0
Best Local Similarity 80.0
Matches 8, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 SSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SSGKYEGGNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 SSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 SSGKYEGGNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 7
US-10-216-484-41
RESULT 6
US-10-354-240-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-216-484-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         셤
```

g

ö

ö

```
**Sequence 177, Application US/10677074

**Publication No. US20040156863A1

**GENERAL INFORMATION:

**APPLICANT: Page, Martin

**APPLICANT: Page, Martin

**APPLICANT: Schoid, Annette Elisabeth

**TITLE OF INVENTION: CHRONIC HEPATITIS

**TITLE OF INVENTION: UMBER: US/10/677,074

**CURRENT APPLICATION NUMBER: US/20/677,074

**CURRENT FILING DATE: 2002-02-21

**PRIOR PLING DATE: 2002-02-21

**PRIOR PLING DATE: 2002-02-22

**NUMBER OF SEQ ID NOS: 308

**SOFTWARE: PatentIn version 3.2

**SOFTWARE: PatentIn version 3.2

**LENTH: LENTH: LING

**LENTH: LENTH: LING

**LENTH: LING

**LE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WESOLI 1991-391-39

y Sequence 39, Application US/09991433

y Sequence 39, Application US/09991433

y Publication No. USZ0030017596A1

y Reberal INFORMATION:

APPLICANT: Broliden, Kristina

APPLICANT: Westgren, Magnus

TITLE OF INVENTION: USE OF PARVOVIRUS CAPSID PARTICLES IN

TITLE OF INVENTION: USE OF PARVOVIRUS CAPSID PARTICLES IN

TITLE OF INVENTION: THE INHIBITION OF CELL PROLIFERATION AND MIGRATION

FILER REFERENCE: TRIPEP.019CP1

CURRENT APPLICATION NUMBER: US 09/447,693

PRIOR PLILNG DATE: 2001-11-16

PRIOR FILING DATE: 1999-11-24

NUMBER OF SEQ ID NOS: 63

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 39

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; FEATURE:
; OTHER INFORMATION: Peptide fragments derived from parvovirus capsid
US-09-991-433-39
                                          Query Match 31.1%; Score 33; DB 14; Length 19; Best Local Similarity 41.7%; Pred. No. 5.1e+02; Matches 5; Conservative 3; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 33; DB 16;
Pred. No. 5.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Neisseria meningitidis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 41.7
Matches 5; Conservative
                                                                                                                                                                                                                            1 NYKNGGFFVQYG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :: || :|| |
1 NYKNGGFFVQYG 12
                                                                                                                                                                                     2 SFNNGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 SFNNGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                         US-10-677-074-177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-677-074-177
                                                                                                                                                                                     à
                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Birkett, Ashley J.

TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CY
FILE REFERENCE: ICC-130.0 4564(85124
CURRENT PAPLICATION NUMBER: US/10/082,014
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 09/930,915
PRIOR APPLICATION NUMBER: 09/930,915
NUMBER OF SEQ ID NOS: 290
SOFTWARE: Patentin version 3.1
SEQ ID NO 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 177, Application US/10372076

Publication No. US20030198645A1

GENERAL INFORMATION:

APPLICANT: Page, Martin

TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR

TITLE OF INVENTION: CHRONIC HEPATITIS

FILE REFERENCE: 4564/81779

CURRENT APPLICATION NUMBER: US/10/372,076

CURRENT APPLICATION NUMBER: 10/080,299

PRIOR APPLICATION NUMBER: 10/080,299

PRIOR FILING DATE: 2002-02-21

PRIOR FILING DATE: 2002-02-22

PRIOR FILING DATE: 2002-02-22

PRIOR FILING DATE: 2002-03-32

SOFTWARE: Patentin version 3.2

SOFTWARE: Patentin version 3.2

FURNICATION NUMBER: PATENTING DATE: 2002-03-22

SOFTWARE: PATENTING DATE: 2002-03-308

SOFTWARE: PATENTING DATE: 2002-03-308

SOFTWARE: PATENTING DATE: 2003-03-308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
PRIOR FILING DATE: 1994-07-21
PRIOR APPLICATION NUMBER: US 08/205,713
PRIOR FILING DATE: 1994-03-04
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2579
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 2100
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                  Score 35; DB 17; Length 15;
Pred. No. 2e+02;
2; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 33; DB 14; Length 19;
Pred. No. 5.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Indels
                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Orthohepadnaviridae hepatitis B virus
US-10-654-601-2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 147, Application US/10082014 Publication No. US20030185858A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-10-082-014-147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Neisseria meningitidis
,US-10-372-076-177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 46.2%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 GAYFVSSGKNEGT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match
Best Local Similarity 41.7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GLYFPAGGSSSGT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 SFNNGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 NYKNGGFFVQYG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-082-014-147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 11
US-10-372-076-177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
```

ö

Gaps

```
g
                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3131, Application US/0980748

Publication No. US2003005937A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS

FILE REFERENCE: PF523

CURRENT APPLICATION NUMBER: US/09/880,748

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: 60/212,210

PRIOR PILING DATE: 2000-06-15

PRIOR PILING DATE: 2000-10-17

PRIOR PILING DATE: 2000-10-17

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-16

PRIOR PILING DATE: 2001-03-21

PRIOR PILING DATE: 2001-03-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3131, Application US/10293418

Publication No. US20030223996A1

RENEMBLA INPORMATION:

APPLICANT: Ruben et al.

FILE REFRENCE: PF523P2

CURRENT PRILING DATE: 2002-11-27

PRIOR APPLICATION NUMBER: 0/331,469

PRIOR PILING DATE: 2001-11-16

PRIOR APPLICATION NUMBER: 60/331,469

PRIOR PILING DATE: 2001-11-16

PRIOR APPLICATION NUMBER: 60/340,817

PRIOR APPLICATION NUMBER: 60/340,817

PRIOR APPLICATION NUMBER: 0/293,499

PRIOR PILING DATE: 2001-06-15

PRIOR PILING DATE: 2001-06-15

PRIOR PILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2001-03-16

PRIOR FILING DATE: 2000-03-16

PRIOR FILING DATE: 2000-03-16

PRIOR FILING DATE: 2000-03-16

PRIOR FILING DATE: 2000-010-17

PRIOR FILING DATE: 2000-010-17
                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
Query Match 30.2%; Score 32; DB 10; Length 20; Best Local Similarity 44.4%; Pred. No. 7.6e+02; Matches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 30.2%; Score 32; DB 10; Length 20; Best Local Similarity 53.8%; Pred. No. 7.6e+02; Matches 7; Conservative 1; Mismatches 5; Indels
                                                                                                                                                         1 DSFNNGAYFVSSGKNEGT 18
                                                                                                                                                                                                            3 DSSNTGAGKALTGLSTGT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 DSFNNGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | | :| || || 5 DRFWSGGYFHYSG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
CRGANISM: Homo sapiens
US-09-880-748-3131
                                                                                                                                                                                                                                                                                                                                              RESULT 14
US-09-880-748-3131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 15
US-10-293-418-3131
                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
```

THIS PAGE BLANK (USPTO)

```
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 75, Appl
Sequence 12, Appl
Sequence 54, Appl
Sequence 18, Appl
Sequence 8, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 31, Appl
Sequence 39, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                       June 20, 2005, 14:22:28; Search time 21.6 Seconds (without alignments) 69:120 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 16,
Sequence 17,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                /cgm2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgm2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgm2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgm2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgm2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgm2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-467-023-56
US-09-142-524D-75
US-09-142-524D-75
US-09-142-524D-74
US-08-142-524D-74
US-08-142-524D-74
US-08-142-524D-74
US-08-142-524D-74
US-08-145-524D-74
US-08-175-069A-54
US-08-175-069A-54
US-08-464-000-54
US-08-464-000-54
US-08-239-043D-2100
US-08-239-043D-2100
US-08-239-136-8
US-08-239-136-8
US-09-239-136-8
US-09-239-136-8
US-08-2133-13
US-08-2133-13
                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-475-985-16
US-08-256-839-16
US-09-058-483-17
                                                                                                                                                                                                                       513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
                                                 OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                           106
1 DSFNNGAYFVSSGKNEGTNI 20
                                                                                                                                                                                           Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                      Issued_Patents_AA:*
                                                                                                                             US-09-202-464-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
Match Length
                                                                                                                                                                                                                                                                          Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                 BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Perfect score:
                                                                                                                                                                                 Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score
                                                                                                                                                                                                                                                                                                                                                                      Database :
                                                                                                                                                         Sequence:
                                                                                                                                                                                                                       Searched:
                                                                           Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      õ
```

Sequence 13, Appl	US-09-929-266-13	4	12	26.4	28	45
٠	US-09-831-500A-20	4	12	26.4	28	44
•	US-09-630-940B-236	4	20	27.4	29	43
Sequence 236, App	US-09-476-496A-236	4	20	27.4	29	42
Sequence 236, App	US-09-606-421B-236	4	20	27.4	29	41
Sequence 236, App	US-09-542-615A-236	4	20	27.4	29	40
Sequence 236, App	US-09-480-884A-236	4	20	27.4	29	39
Sequence 236, App	US-09-643-597-236	4	20	27.4	29	38
Sequence 19, Appl	US-09-033-753-19	m	1	27.4	29	37
19,	US-08-618-696-19	N	:	27.4	29	36
Sequence 12, Appl	PCT-US96-10220-12	Ŋ	15	27.8	29.5	35
	US-08-766-596A-12	4	15	27.8	29.2	34
Sequence 12, Appl	US-08-630-645-12	0	15	27.8	29.2	33
Sequence 4, Appli	US-09-839-666-4	4	19	28.3	30	32
Sequence 4, Appli	US-09-532-106-4	m	19	28.3	30	31
Sequence 4, Appli	US-09-246-258-4	m	19	28.3	30	30
Sequence 4, Appli	US-08-737-085A-4	~	13	28.3	30	59
Sequence 127, App	US-08-811-492-127	N	19	28.8	30.5	28

ALIGNMENTS

```
US-08-467-023-56

US-08-467-023-56

Sequence 56, Application US/08467023

Patent No. 600386

GENERAL INFORMATION:

APPLICANT Griffeth, Irwin J.;

APPLICANT Garman, Richard D;

APPLICANT Garman, Richard D;

APPLICANT Garman, Richard D;

APPLICANT School Mol-Chang;

APPLICANT School Mol-Chang;

APPLICANT Exley, Mark A:

APPLICANT Waltham

STATE: Ma

COMPUTER FALMALE FORM:

MURBER OF COMPATION

APPLICATION WUMBER: 109/109/10/23

FILING DATE: December 6, 1995

CLASSIFICATION WUMBER: 09/350,225

FILING DATE: Remillar AT

RECEPTANTION WUMBER: 03,972

APPLICATION WUMBER: 03,972

APPLICATION WUMBER: 03,972

APPLICATION WUMBER: 03,025

FILEEDAM: Garri WORMATION:

APPLICATION WUMBER: 03,025

FILEEDAM: Jan Exlemillar AT

RECEPTANTENTERFORE TREATHER AT

RECEPTANTENTERFORMATION:

TELEFRAM: (617) 227-740

TELEFRAM: COMPUTER STATICS:

LENGTH: 20 amino acide

TOPLOCAT: LINEAT

WOLKCULE TYPE: PEPTICATION THE PEPTICATION THE AMINO ACIDE

TOPLOCATION THE AMINO
```

ö

```
GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Sone, Asio

APPLICANT: Wama, Akinori

APPLICANT: Iwama, Akinori

APPLICANT: Iwama, Akino

APPLICANT: Iwama, Akino

APPLICANT: Iwama, Akino

APPLICANT: Iwama, Akino

APPLICANT: Iwama, Akinori

APPLICANT: Iwama, APPLICANTON

FILE REFERENCE: SPO-103

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1998-09-09

PRIOR FILING DATE: 1997-01-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Squence 74, Application US/09142524D

Squence 74, Application US/09142524D

Squence 74, Application US/09142524D

Squence 77, Application US/09142524D

GENERAL INFORMATION:

APPLICANT: Sone, Acinori

APPLICANT: Dairiki, Kazuo

APPLICANT: Iwama, Akinori

APPLICANT: Iwama, Akinori

APPLICANT: Wino, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

CURRENT FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 74

LENGTH: 15

LENGTH: 15
                                                                                                                                                                                Gaps
                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                           Score 60; DB 4; Length 15;
Pred. No. 0.0096;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 48.1%; Score 51; DB 4; Length 20; Best Local Similarity 100.0%; Pred. No. 0.3; Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; LOCATION: (1).7(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 60
US-09-142-524D-74
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 61
US-09-142-524D-75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 12, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 12
LENGTH: 20
                                                                                                           Query Match
Best Local Similarity 85.7%;
Matches 12; Conservative
                                                                                                                                                                                                                                              1 DSFNNGAYFVSSGK 14
                                                                                                                                                                                                                                                                                                            1 DVFYNGAYFVSSGK 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11 SSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 SSGKNEGTNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(15)
                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 4
US-09-142-524D-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-142-524D-74
                                                                                                                                                                                                                                                                                                         셤
                                                                                                                                                                                                                                                 ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S
                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 76, Application US/09142524D

Sequence 76, Application US/09142524D

Parent No. 6719976

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Iwama, Akiko

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7512.7.3

Sequence 752 Application US/09142524D

Patent No. 671976

GENERAL INFORMATION:

APPLICANT: Some, Toshio

APPLICANT: Rume, Akinori

APPLICANT: Mamma, Akiko

APPLICANT: Mamma, Akiko

APPLICANT: Mamma, Akiko

TITLE OF INVENTION:

PILE REFERENCE: SPO-103

CURRENT FILING DATE: 1998-09-09

PRIOR PPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1999-03-10

PRIOR PILICATION NUMBER: PCT/JP97/00740

PRIOR PILICATION NUMBER: PCT/JP97/00740

SOFTWARE: 1997-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 75

LENGTH: 15
                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                 .
0
                                                                               Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 59.4%; Score 63; DB 4; Length 15; Best Local Similarity 86.7%; Pred. No. 0.0034; Matches 13; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; LOCATION: (1). [(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 62
US-09-142-524D-76
                                                                               Score 77; DB 3; 1
Pred. No. 3.6e-05;
                                                   72.6%; Scor.
80.0%; Pred. No. s.c.
                                                                                                                                                                                                                                                                      1 DVFYNGAYFVSSGKYEGGNI 20
                                                                                                                                                                                                           1 DSFNNGAYFVSSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GAYFVSSGKYEGGNI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 GAYFVSSGKNEGTNI 20
                                                          Query Match
Best Local Similarity 80.09
Warches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: MISC_FEATURE LOCATION: (1)..(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-09-142-524D-75
                                                                                                                                                                                                                                                                                                                                                                                                             US-09-142-524D-76
             US-08-467-023-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠે
```

ઠે

```
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 77
LENGTH: 15
TYPE: PRT
CORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 54, Application US/08290448A
Patent No. 5676594
GENERAL INFORMATION:
APPLICANT: Roger, Bruce
APPLICANT: Rapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Rafnar, Thorunn
APPLICANT: Nan-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,448A
FILING DATE: August 15, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
USOTHER INFORMATION: Cryjl peptide, Figure 1, Row 63
US-09-142-524D-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34.0%; Score 36; DB
80.0%; Pred. No. 40;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Amy B. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11 SSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 SSGKYEGGNI 10
                                  6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JS-08-290-448A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        셤
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                              Gaps
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chiang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
                            Score 41; DB 4; Length 15;
Pred. No. 7;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: COMPUTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: ImmuLogic Pharmaceutical Corporation, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 38.7%; Score 41;
80.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 77, Application US/09142524D
                                                                                                                                                                                                                                                                                                                                                                  Sequence 55, Application US/08467023 Patent No. 6090386
                               38.7%;
80.0%;
Query Match
Best Local Similarity 80.0°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 38.7
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                       1 DSFNNGAYFV 10
                                                                                                                                                                                             DVFYNGAYFV 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 DSFNNGAYFV 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | | | ||||||
DVFYNGAYFV 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-142-524D-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-467-023-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE:
```

RESULT 7

g

ò

```
5 NGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 NGAIFVASG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-175-069A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-467-023-57
                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thoruun
APPLICANT: Kuo, Mai-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          34.0%; Score 36; DB 1; Length 20; 77.8%; Pred. No. 55; 1; Indels tive 1; Mismatches 1; Indels
                                                                                                                                                               Score 36; DB 1; Length 20;
Pred. No. 55;
                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BW PC compatible
COMPUTER: Ploppy disk
COMPUTER: PR PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.25
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,448A
FILING DATE: August 15, 1994
PRIOR APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/25,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: AMY E. Manchagouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 1M1-018CN
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 54, Application US/08290448A; Patent No. 5698204; GENERAL INFORMATION:
                                                                                                                                                             Query Match
Best Local Similarity 77.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (617)227-740
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : 20 amino acids amino acids
                       LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 34.0
Best Local Similarity 77.8
Matches 7; Conservative
SEQUENCE CHARACTERISTICS
LENGTH: 20 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                               MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Massachusetts
                                                                                                                                                                                                                                               5 NGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 NGAYFVSSG 13
                                                                                                                                                                                                                                                                                     3 NGAIFVASG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: 02109-1875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Boston
STATE: Massac
                                                                                                                                                                                                                                                                                                                                                RESULT 9
US-08-290-448A-54
                                                                                                                       US-08-290-448A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-290-448A-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                               ઠે
```

NGAIFVASG 11

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                        APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Klapper, David G.
APPLICANT: Klapper, David G.
APPLICANT: Rannar, Thorunn
APPLICANT: Rannar, Thorunn
APPLICANT: Row, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
TORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP
STREET: 60 State Street
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang,
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Allergenic Proteins And Peptides From TITLE OF INVENTION: Allergenic Proteins And Peptides From NUMBER OF SEQUENCES: 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 20; 55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/175,069A
FILING DATE: December 29, 1993
PRIOR APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: Max 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: Max 29, 1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018DV
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               ZIF: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Sequence 54, Application US/08175069A
Patent No. 5776761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 57, Application US/08467023 Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        34.0%;
77.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (617) 227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide FRAGMENT TYPE: internal
```

```
..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 54, Application US/08464000
Patent No. 6335020
GENERAL INFORMATION:
APPLICANT: ROGER' Bruce
APPLICANT: Rapper, David G.
APPLICANT: Rapper, David G.
APPLICANT: Raner, Thorunn
APPLICANT: Roger's Horunn
APPLICANT: Raner, Thorunn
APPLICANT: Roger's Bruce
APPLICANT: Rapper, David G.
APPLICANT: Rapper, David G.
APPLICANT: Roger's Bruce
APPLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 36; DB 3; Length 20;
Pred. No. 55;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,000
FILING DATE: 05-JUN-1995
PRIOR APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325.167
FILING DATE: 11-ANA-1990
APPLICATION NUMBER: US 07/325.167
                               APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-WAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: AMY E. Mandragourae
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 1MI-018CNDV
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF SEQ 1D NO: 54:
SUBJUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APFLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: 1MI-018CN2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-5941
05-JUN-1995
JMBER: US 08/290,448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 60 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATABLE
COMPATING SYSTEM: PC-DOS/MS-DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        34.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 77.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-461-939B-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (617)227-594: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5 NGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 NGAIFVASG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-464-000-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Klapper, David G.
APPLICANT: Rainer, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Methods For Treating Sensitivity To A
TITLE OF INVENTION: Protein Allergen Using Peptides Which Inlcude A T Cell Epitope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 3; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc. STRET: 610 Lincoln St CITY: Waltham
                                                                                                                                                        COMPUTER: FAA

COMPUTER: FAA

COMPUTER: CAA

COMPUTER: ELOPPY disk

COMPUTER: ELOPPY disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023

FILING DATE: June 6, 1995

CLASSIFICATION: 424

PROR RAPLICATION DATA:
APPLICATION NUMBER: 08/350,225

FILING DATE: December 6, 1994

ATTORNEY/AGENT INPORMATION:
NAME: Jane E. Remisser: 38,372

REFERENCE/DOCKET NUMBER: 38,372

REFERENCE/DOCKET NUMBER: 38,372

REFERENCE/DOCKET NUMBER: 38,372

TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTER/STICS:
LENGTH: 20 amino acids

TELENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,939B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 36; DB
Pred. No. 55;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/464,000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 54, Application US/08461939B Patent No. 6335019
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 80.0%;
Matches B; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: peptide FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 SSGKNEGTNI 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 SSGKYEGGNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Boston
STATE: Massac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 12
US-08-461-939B-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-467-023-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
```

Б

ö

```
JS-08-302-756E-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-302-756E-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Inducting Cellular Immune Responses to Hepatitis B Virus
TITLE OF INVENTION: Using Peptide and Nucleic Acid Compositions
TITLE OF INVENTION: Using Peptide and Nucleic Acid Compositions
CURRENT APPLICATION NUMBER: US/05/239,043D
CURRENT FILING DATE: 1999-01-27
PRIOR PELICATION NUMBER: US 08/978,291
PRIOR FILING DATE: 1999-11-25
PRIOR FILING DATE: 1999-01-12-5
PRIOR FILING DATE: 1997-03-12
PRIOR FILING DATE: 1997-03-12
PRIOR PELICATION NUMBER: US 60/013,363
PRIOR FILING DATE: 1996-03-13
PRIOR FILING DATE: 1996-03-13
PRIOR PELICATION NUMBER: US 08/347,610
PRIOR PELICATION NUMBER: US 08/347,610
PRIOR PELICATION NUMBER: US 08/347,610
PRIOR FILING DATE: 1994-12-01
PRIOR FILING DATE: 1994-07-21
PRIOR FILING DATE: 1994-07-21
PRIOR FILING DATE: 1994-07-21
PRIOR FILING DATE: 1994-07-21
PRIOR FILING DATE: 1994-07-04
                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                           Score 36; DB 3; Length 20; Pred. No. 55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Length 15;
                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Orthohepadnaviridae hepatitis B virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 35; DB 4
Pred. No. 56;
2; Mismatches
                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 2100, Application US/09239043D; Patent No. 6689363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Livingston, Brian D.
Celis, Esteban
Kubo, Ralph T.
Grey, Howard M.
Chesnut, Robert
Epimmune Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 46.2%;
Matches 6; Conservative
                                                                                                                                                                                                                                              Query Match
Best Local Similarity 77.8%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vitiello, Maria A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Sette, Alessandro
APPLICANT: Sidney, John
APPLICANT: Southwood, Scott
                         LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 GAYFVSSGKNEGT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GLYFPAGGSSSGT 13
SEQUENCE CHARACTERISTICS
                                                                                                                MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-464-000-54
                                                                                                                                                                                                                                                                                                                                                                            5 NGAYFVSSG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                      3 NGAIFVASG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 14
US-09-239-043D-2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-239-043D-2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>۾</u> 8
                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                            ò
```

```
| 192-01-302-756E-5 | 193-01-202-756E-5 | 193-01-302-756E-5 | 193-
```

Page

```
June 20, 2005, 15:55:27; Search time 72.4 Seconds (without alignments) 106.072 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/NSO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/NSO6_NEW_PUB-pep:*
3: /cgn2_6/ptodata/2/pubpaa/NSO6_NEW_PUB-pep:*
4: /cgn2_6/ptodata/2/pubpaa/NSO6_NEW_PUB-pep:*
5: /cgn2_6/ptodata/2/pubpaa/NSO7_NEW_PUB-pep:*
6: /cgn2_6/ptodata/2/pubpaa/NSO8_NEW_PUB-pep:*
7: /cgn2_6/ptodata/2/pubpaa/NSO8_NEW_PUB-pep:*
8: /cgn2_6/ptodata/2/pubpaa/NSO8_NEW_PUB-pep:*
9: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/NSO8_NEW_PUB-pep:*
13: /cgn2_6/ptodata/2/pubpaa/NSO8_NEW_PUB-pep:*
14: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
20: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
21: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
22: /cgn2_6/ptodata/2/pubpaa/NSO8_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          332641
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1714042 segs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                          OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                     105
1 SSGKNEGTNIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                   US-09-202-464-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                              BLOSUM62
                                                                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database
                                                                                                                                                                                         Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		Appl	7, Appli	Appl	Appl	Appl						
	_	12,	41,	41,	78,	77,	16,	43,	7,	18,	68,	21,
	Description	Sequence	Sequence	Sequence	Sequence			Sequence	Sequence	Sequence 18,	Sequence	Seguence
SUMMARIES	ΙD	US-10-354-240-12	US-10-216-484-41	US-10-384-933-41	US-10-354-240-78	US-10-354-240-77	US-10-354-240-76	US-10-719-642-43	US-10-363-941-7	US-09-998-279-18	US-09-940-727B-68	US-09-998-279-21
	e e	14	14	14	14	14	14	16	15	10	10	10
	% Query e Match Length DB I	20	20	20	15	15	15	80	15	16	17	19
	% Query Match	100.0	63.8	63.8	47.6	45.7	34.3	32.4	32.4	31.4	31.4	31.4
	Score	105	67	67	20	48	36	34	34	33	33	33
	Result No.	-	~	ო	4	S	9	7	8	σ	10	11

Sequence 480, App Sequence 4, Appli Sequence 4, Appli Sequence 79, Appl Sequence 13, Appl Sequence 20, Appl	161, 161, 21, A 36, A 102,	644444	Sequence 1045, Ap Sequence 1045, Ap Sequence 1058, Ap Sequence 8, Appli Sequence 1020, Ap Sequence 1033, Ap Sequence 1066, Ap	1007 8 8 , 007 10 , 10
16 US-10-327-598-480 9 US-09-975-132A-4 17 US-10-928-020-4 14 US-10-354-240-79 13 US-10-146-305-13 15 US-10-365-761B-20 16 US-09-954-385-161	US-10-912 US-10-912 US-10-715 US-10-715 US-10-715 US-10-226	US-1 US-1 US-1 US-1 US-1	14 US-10-226-007-1032 14 US-10-226-007-1058 14 US-10-226-007-1058 14 US-10-286-007-1020 14 US-10-226-007-1033 14 US-10-226-007-1033 14 US-10-226-007-1065	14 US-10-226-007-1072 15 US-10-418-182-220 15 US-10-608-626-8 16 US-10-719-310-8 17 US-10-823-253-10
71 11 12 10 10 10 10				711117
32 30.5 31.5 30.0 31.5 30.0 31 29.5 30 29.5 30 28.6	28.000000000000000000000000000000000000	თთთთთთ	2222222	
112 113 114 115 117	2 2 2 2 2 4 4 3 3 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	22 22 23 33 31 31	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~) 4 4 4 4 4 4) O H G W 4 D

ALIGNMENTS

RESULT 1 US-10-154-240-12 Squence 12, Application US/10354240 Squence 12, Application US/10354240 Squence 12, Application No. US2031085847A1 GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: Some, Arinori APPLICANT: Mame, Akinori APPLICANT: Mame (Mame (Mame)) APPLICANT: Mame (Mame) APPLICANT: Mame (
Query Match 100.0%; Score 105; DB 14; Length 20; Best Local Similarity 100.0%; Pred. No. 3.7e-09; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 SSGKNEGTNIYNNNEAFKVE 20 bb 1 SSGKNEGTNIYNNNEAFKVE 20

```
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohuuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseas
FILE REPERBENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
PRIOR PAPLICATION NUMBER: PCT/JP97/00740
PRIOR PELING DATE: 1997-03-10
PRIOR PPLICATION NUMBER: US 09/142,524
PRIOR APPLICATION NUMBER: US 09/142,524
SPRIOR PLING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn Version 3.1
SEG ID NO 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             47.6%; Score 50; DB 14; Length 15; 66.7%; Pred. No. 0.74; tive 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY: MISC FEATURE
CCATION: (1)...(15)
US-10-354-240-78
US-10-354-240-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 EGTNIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 EGGNIYTKKEAFNVE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 66.7
Matches 10, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 66.7
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: MISC_FEATURE
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-354-240-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-10-384-933-41

Sequence 41, Application US/10384933

Publication No. US20030170817A1

GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Takahashi, Tukuko
APPLICANT: Takahashi, Tukuko
APPLICANT: Takahashi, Tukuko
APPLICANT: Takahashi, Tukuko
APPLICANT: Takahashi, USA0

FILE REFRENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933

CURRENT FILING DATE: 2000-02-05

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/499,662

PRIOR SPEING DATE: EARLIER FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

LENGHH: 20

"THE CONTROL OF THE CONTRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 63.8%; Score 67; DB 14; Length 20; Best Local Similarity 70.0%; Pred. No. 0.0025; Matches 14; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 63.8%; Score 67; DB 14; Length 20; Best Local Similarity 70.0%; Pred. No. 0.0025; Matches 14; Conservative 0; Mismatches 6; Indels
                                                                                  Sequence 41, Application US/10216484

Sequence 41, Application US/10216484

Publication No. US20030103376A1

GENERAL INFORMATION:

APPLICANT: Serizawa, No. US20030103976A1ufusa

APPLICANT: Haruyama, Hideyuki

APPLICANT: Tamaki, Ikuo

APPLICANT: Tamaki, Ikuo

APPLICANT: Tamaki, Ikuo

APPLICANT: Tamaki, Tohru

TITLE OF INVENTION: Anti-Pas Antibodies

FILE REPRENCE: 980126CIPHG

CURRENT APPLICATION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09

PRIOR FILING DATE: 2000-02-09

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR FILING DATE: 1998-04-01

NUMBER OF SEQ ID NOS: 165

SEQ ID NO 41

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 SSGKNEGTNIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 SSGKYEGGNIYTKKEAFNVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 SSGKNEGINIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 SSGKYEGGNIYTKKEAFNVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
CORGANISM: Homo sapiens
US-10-216-484-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
                               RESULT 2
US-10-216-484-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-384-933-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           임
```

Gaps

ö

```
APPLICANT: Name, Adinori
APPLICANT: Name, Adinori
APPLICANT: Name, Adinori
APPLICANT: Name, Adinori
APPLICANT: Name, Adiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseas
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseas
CURRENT APPLICATION NUMBER: US/10/354,240
CURRENT PILING DATE: 1997-03-10
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOOTWARE: Patentin version 3.1
SEMENTH: 15
TYPE: RRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 45.7%; Score 48; DB 14; Length 15; 66.7%; Pred. No. 1.5; tive 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: (1)._(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 63
US-10-354-240-77
Sequence 77, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
APPLICANT: Some, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 SSGKNEGINIYNNNE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 SSGKYEGGNIYTKKE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
```

RESULT 4 US-10-354-240-78 Sequence 78, Application US/10354240 ; Publication No. US20030185847A1

```
APPLICANT: XIE, YI
TITLE OF INVENTION: HUMAN HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN 32.01 AND POLYNUCLES
TITLE OF INVENTION: HUMAN HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN 32.01 AND POLYNUCLES
FILE OF INVENTION: ENCODING THE SAME
FILE OF INVENTION: ENCODING
CURRENT APPLICATION NUMBER: US/10/363,941
CURRENT APPLICATION NUMBER: US/10/363,941
PRIOR PILING DATE: 2003-03-07
PRIOR PILING DATE: 2000-10-07
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PATCHILIN VERSION 3.1
SEQ ID NOS: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: partial sequence of SEQ ID NO: 2 US-10-363-941-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Landry, Donald W
TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY
FILE REFERENCE: 0575/51400-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 32.4%; Score 34; DB 15; Best Local Similarity 35.7%; Pred. No. 2.1e+02; Matches 5; Conservative 5; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 31.4%; Score 33; DB 10; Best Local Similarity 40.0%; Pred. No. 3.3e+02; Matches 6; Conservative 3; Mismatches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: BURGESS, NICOLA A.
APPLICANT: GARCIA, MIGUES M.
APPLICANT: GARCIA, MIGUES M.
APPLICANT: MIRKE, DAVID F.
APPLICANT: MILLIAMS, PAUL.
TITLE OF INVENTION: GIAS
FILE REFERENCE: GMS0081
CURRENT APPLICATION NUMBER: US/09/998,279
CURRENT APPLICATION NUMBER: 60/250,288
PRIOR FILING DATE: 2001-11-30
PRIOR FILING DATE: 2000-11-30
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-940-727B-68
; Sequence 68, Application US/09940727B
; Publication No. US20030077793A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18, Application US/09998279
Publication No. US20030083287A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , ORGANISM: Prophyromonas gingivalis US-09-998-279-18
Publication No. US20040038248A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 KNEGTNIYNNNEAFK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 SGKNEGTNIYNNNE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 TGKTQTSNVTNKND 15
                                           APPLICANT: MAO, Yumin
APPLICANT: XIE, Yi
                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JS-09-998-279-18
                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠ
                                                                                                                          APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Wino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103D1
CURRENT APPLICATION NUMBER: US/10/354,240
FILOR PEPLICATION NUMBER: US/10/997/00740
PRIOR PELING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR APPLICATION NUMBER: US 09/142,524
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin Version 3.1
SEQ ID NO 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 36; DB 14; Length 15;
Pred. No. 1e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 34; DB 16; Length 8;
Pred. No. 1.6e+06;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: MISC_FEATURE

LOCATION: (1)...(15)

LOCATION: (2)...(15)

COS-10-354-240-76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 43, Application US/10719642
Publication No. US20040185040A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GARCH, Yuching
APPLICANT: Chen, Yuching
APPLICANT: Celltech RED, Inc.
TITLE OF INVENTION: Modulating Immune Responses
FILE REFERENCE: 1427.008US1
CURRENT APPLICATION NUMBER: US/10/719,642
CURRENT FILING DATE: 2003-11-21
NUMBER: PEAGENCE: FRASEQ for Windows Version 4.0
                                           US-10-354-240-76

Sequence 76, Application US/10354240
Publication No. US20030185847A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-363-941-7 . Sequence 7, Application US/10363941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT ORGANISM: Oryctolagus cuniculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32.4%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 80.0%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 32.4
Best Local Similarity 83.3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 SSGKNEGTNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SSGKYEGGNI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 NIYNNN 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |:||||
2 NVYNNN 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-719-642-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-719-642-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 43
LENGTH: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               g
```

```
Gaps
                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4. Application US/10928020
; Publication No. US20050118685A1
; GENERAL INFORMATION:
    APPLICANT: Kolkman, Marc
    TITLE OF INVENTION: Enhanced Secretion of a Polypeptide by a
    TITLE OF INVENTION: Microorganism
; FILE REPERENCE: GC636-2
; CURRENT APPLICATION NUMBER: US/10/928,020
; CURRENT FILING DATE: 2004-08-26
; PRIOR PLING DATE: 2006-10-10
; PRIOR FILING DATE: 2006-10-10
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LINGTH: 15
                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-975-132A-4

Sequence 4, Application US/09975132A

Sequence 4, Application US/09975132A

Publication No. US20020182672A1

GENERAL INFORMATION:
TITLE OF INVENTION: Enhanced Secretion of a Polypeptide by a TITLE OF INVENTION: Microorganism

FILE REFERENCE: GC636-2

CURRENT APPLICATION NUMBER: US/09/975,132A

CURRENT FILING DATE: 2001-10-09

PRIOR FILING DATE: 2000-10-10
                                                                                                                                                                                                                  Score 32; DB 16; Length 17;
Pred. No. 5e+02;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 30.0%; Score 31.5; DB 9; Best Local Similarity 47.1%; Pred. No. 5.1e+02; Matches 8; Conservative 2; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 30
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: synthetic peptide tag
US-09-975-132A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: synthetic peptide tag
US-10-928-020-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 SGKNEGTNIYNNNEAFK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 AGK---TNSFNQNVALK 14
    PRIOR FILING DATE: 2001-12-21
NUMBER OF SEQ ID NOS: 1139
SOFTWARE: Patentin version 3.0
SEQ ID NO 480
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                          Query Match 30.5%;
Best Local Similarity 62.5%;
Matches 5; Conservative
                                                                                                                            ; TYPE: PRT
; ORGANISM: canis familiaris;
US-10-327-598-480
                                                                                                                                                                                                                                                                                                                                                      3 RGDGTNIY 10
                                                                                                                                                                                                                                                                                                                        4 KNEGTNIY 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-928-020-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 14
                                                                                                                                                                                                                                                                                                                                                                     요
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 480, Application US/10327598
Publication No. US20040181039A1
GENERAL INFORMATION:
APPLICANT: Krah, Eugene
APPLICANT: Guo, Honliang
APPLICANT: Guo, Honliang
APPLICANT: Lawton, Robert
TITLE OF INVENTION: Canine Immunoglobulin Variable Domains, Caninized Antibodies, and
TITLE OF INVENTION: for Making and Using Them
FILE REFERENCE: 01-799-A
CURRENT APPLICATION NUMBER: US/10/327,598
CURRENT FILING DATE: 2002-12-20
                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                           Query Match 31.4%; Score 33; DB 10; Length 17; Best Local Similarity 43.8%; Pred. No. 3.5e+02; Matches 7; Conservative 1; Mismatches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31.4%; Score 33; DB 10; Length 19; 40.0%; Pred. No. 4e+02; tive 3; Mismatches 6; Indels
CURRENT APPLICATION NUMBER: US/09/940,727B
CURRENT FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: 09/214,095
PRIOR FILING DATE: 1998-12-28
PRIOR FILING DATE: 1998-12-28
PRIOR FILING DATE: 1997-06-25
PRIOR FILING DATE: 1997-06-25
PRIOR FILING DATE: 1996-06-25
NUMBER OF SEQ ID NOS: 121
SOFTWARE: Patentin version 3.1
SEQ ID NO 68
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 11
US-09-998-279-21
Sequence 21, Application US/0998279
Sequence 21, Application US/0998279
PUDLICATION O. US20030083287A1
GENERAL INFORMATION:
APPLICANT: BURGESS, NICOLA A.
APPLICANT: GARCIA, MIGUES M.
APPLICANT: KIRKE, DAVID F.
APPLICANT: WILLIAMS, PAUL.
TITLE OF INVENTION: GinS
FILE REFERENCE: GRS0081
CURRENT APPLICATION NUMBER: US/09/998,279
CURRENT FILING DATE: 2001-11-30
PRIOR PULING DATE: 2001-11-30
PRIOR FILING DATE: 2000-11-30
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FABLESC for Windows Version 4.0
SEQ ID NO 21
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2002-12-20
PRIOR APPLICATION NUMBER: US 60/344,874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Porphyromonas gingivalis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 GKNEGTNIYNNNEAFK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GMNPGNGVTYFNEKFK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 KNEGTNIYNNNEAFK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :|: |:|| | |
RNQEINVYNTAEYAK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                   , ORGANISM: mouse
US-09-940-727B-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 12
US-10-327-598-480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-998-279-21
                                                                                                                                                                                                                                                                                                  PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
```

ઠે 셤

셤

ä

```
RESULT 15

US-10-154-240-79

Sequence 79, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Mame, Akinori
APPLICANT: Wame, Akinori
APPLICANT: SPO. 103-10

PRIOR FILING DATE: 1997-03-10

PRIOR FILING DATE: 1990-03-10

PRIOR FILING DATE: 
                                                                                                                     Gaps
                                                                                                               Э,
Query Match 30.0%; Score 31.5; DB 17; Length 15; Best Local Similarity 47.1%; Pred. No. 5.1e+02; Matches 8; Conservative 2; Mismatches 4; Indels 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match. 29.5%; Score 31; DB 14; Length 15; Best Local Similarity 60.0%; Pred. No. 6.1e+02; Matches 6; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                       2 SCKNEGTNIYNNNEAFK 18
                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                         ઠે
```

Gaps ; 0

Search completed: June 20, 2005, 16:29:58 Job time: 73.4 secs

11 YNNNEAFKVE 20 | ||| ||| | YTKKEAFNVE 10

ઠે 윱 THIS PAGE BLANK (USPYU)

```
Sequence 78, Appl
Sequence 77, Appl
Sequence 56, Appl
Sequence 68, Appl
Sequence 68, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 12, Appl
Sequence 51, Appl
Sequence 21, Appl
Sequence 23, Appl
Sequence 24, Appl
Sequence 26, Appl
Sequence 26, Appl
Sequence 30, Appl
Sequence 30, Appl
Sequence 30, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                (without alignments)
69.120 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 12,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                   June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
                                                                                                                                                                                                                                                                                                                                       Issued Patents AA:*

(cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

(cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-142-524D-12
US-08-467-023-57
US-09-142-524D-76
US-09-142-524D-76
US-09-142-524D-76
US-09-142-524D-76
US-09-142-524D-76
US-09-214-095D-68
US-09-214-095D-68
US-09-214-095D-68
US-09-125-240-79
US-08-475-985-16
US-08-475-985-16
US-08-475-985-16
US-08-475-985-16
US-08-475-985-16
US-08-475-127
US-08-476-176B-51
US-08-476-176B-51
US-08-476-176B-51
US-08-476-176B-51
US-08-538-960-8
US-08-538-960-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US94-01234-70
PCT-US94-01234-28
                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US94-01234-30
PCT-US94-01234-34
US-08-264-093-18
                                                                                                                                                                                                      513545 seqs; 74649064 residues
                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                              protein search, using sw model
                                                                                                                                                                              Gapop 10.0 , Gapext 0.5
                                                                                                                              105
1 SSGKNEGTNIYNNNEAFKVE
                                                                                                                  US-09-202-464-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                      seq length: 0 seq length: 20
                                                                                                                                                                   BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query
Match ]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Perfect score:
                                                                                                                                                                   Scoring table:
                                                •
                                                                                                                                                                                                                                                      Minimum DB
Maximum DB
                                              OM protein
                                                                                                                                             Sequence:
                                                                                                                                                                                                       Searched:
                                                                                                                                                                                                                                                                                                                                          Database
                                                                     Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Š
```

```
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Kazuo
APPLICANT: Mama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: 1990-103
PRIOR APPLICANT: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 12
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ô
         Sequence 31, Appl
Sequence 145, App
Sequence 10, Appl
Sequence 10, Appl
Sequence 41, Appl
Sequence 41, Appl
Sequence 78, Appl
Sequence 12, Appl
Sequence 14, Appl
Sequence 14, Appl
Sequence 15, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.0%; Score 105; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.8e-10;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Allergenic Proteins And Peptides From
Japanese Cedar Pollen
261
                   US-00-928-213B-145
US-10-053-485-19
US-09-563-22C-51
US-09-65-632-100
US-08-836-561-41
US-09-434-122-41
US-09-81-392-78
US-09-908-322-78
5204097-4
-09-443-199C-1211
                                                                                                                                                                US-09-627-896B-12
US-08-159-340A-14
                                                                                                                                                                                       -08-432-694-1
-08-467-023-52
                                                                                                                                                     US-07-987-264-2
                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1
VS-09-142-524D-12
Sequence 12, Application US/09142524D
Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 SSGKNEGTNIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SSGKNEGTNIYNNNEAFKVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Cryptomeria japonica
US-09-142-524D-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 2
US-08-467-023-57
셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ð
```

```
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1996-09-09
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 77
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease FILE REFERENCE: SPO-103
CURRENT PAPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 76
LENGTH: 15
                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 45.7%; Score 48; DB 4; Length 15; Best Local Similarity 66.7%; Pred. No. 0.3; Matches 10; Conservative 0; Mismatches 5; Indels
                                       Indels
                                       2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KET: MISC_FEATURE; LOCATION: (1)...(15); OTHER INFORMATION: Cryjl peptide, Figure 1, Row 63 US-09-142-524D-77
66.7%; Pred. No. 0.14; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRINTER:
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)...(15)
; COTHER INFORMATION: Cryjl peptide, Figure 1, US-09-142-5245-76
                                                                                                                                                                                                                                                                                                                                   Sequence 77, Application US/09142524D
Fatent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Nama, Akiko
APPLICANT: Nama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 76, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                       6 EGTNIYNNNEAFKVE 20
                                                                                                                                                                   1 EGGNIYTKKEAFNVE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 SSGKNEGTNIYNNE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 SSGKYEGGNIYTKKE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
Best Local Similarity 66.74
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                              US-09-142-524D-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-142-524D-76
                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Akinori
APPLICANT: Buriki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Mama, Akiko
APPLICANT: Kino, Kohsuke
ITTLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION TO THE CONTROL OF THE CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       63.8%; Score 67; DB 3; Length 20; 70.0%; Pred. No. 0.0004; Live 0; Mismatches 6; Indels
                                ImmuLogic Pharmaceutical Corporation, Inc.
                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023

FILING DATE: June 6, 1995

CLASSIFICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: 08/350,225

FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Jane E. Remillard

REGISTRATION NUMBER: 38,872

REFERRING DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPRING: (617) 227-7400

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 57:

SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: (1).7(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 64
US-09-142-524D-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 78
LENGTH: 15
                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 78, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 SSGKNEGTNIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SSGKYEGGNIYTKKEAFNVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                              Floppy disk
                                                            STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide FRAGMENT TYPE: internal
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                STATE: MA
COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 3
US-09-142-524D-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-467-023-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
```

47.6%; Score 50; DB 4; Length 15;

Query Match

ઠે

```
Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31.4%; Score 33; DB 3; Length 17; ilarity 43.8%; Pred. No. 81; Conservative 1; Mismatches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 2; Length 17;
              GENERAL INFORMATION:

APPLICANT: Landry Donald, W.
TITLE OF INVENTION:
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSED: Cooper and Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
COUNTRY: New York
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 8
US-09-214-095D-68
is Sequence 68, Application US/09214095D
is Patent No. 6290897
is CENERAL INFORMATION:
is APPLICANT: Landry, Donald
is TITLE OF INVENTION: ANTICOCAINE CATALYTIC ANTIBODY
is FILE REFERENCE: 51400-A-PCT-US
is CURRENT FILING DATE: 1999-07-19
is CURRENT FILING DATE: 1999-07-19
is NUMBER OF SEQ ID NOS: 121
is SOFTWARE: Patentin version 3.0
is SEQ ID NO 68
is LENGRIH: 17
is TYPE: PRT
is ORGANISM: Muxinae gen. 8P.
US-09-214-095D-68
                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISP PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 24-JUN-1996
CLASSIFICATION NUMBER: 24-JUN-1996
CLASSIFICATION NUMBER: 28,678
REGISTRATION NUMBER: 212-278-0400
TELEPRAX: 212-319-05225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31.4%; Score 33; DB 43.8%; Pred. No. 81; tive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 GKNEGTNIYNNNEAFK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GMNPGNGVTYFNEKFK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 GKNEGTNIYNNNEAFK 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GMNPGNGVTYFNEKFK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INPORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS: 1 PANCTH: 17 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 43.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 7; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-672-345C-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Allergenic Proteins And Peptides From
Japanese Cedar Pollen
                Score 36; DB 4; Length 15;
Pred. No. 24;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 36; DB 3; Length 20;
Pred. No. 33;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Allergenic Proteins And Peptides Fr
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: US/08/467,023
FILING DATE: US/08/467,023
FILING DATE: US/08/467,025
FILING DATE: US/08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECHOME: (617) 227-7400
TELECHOME: (617) 227-7401
TELECHOME (617) 227-5941
INFORMATION FOR EACH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 68, Application US/08672345C
                                                                                                                                                                                                                                     ; Sequence 56, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
APPLICANT: Pollock, Joanne;
APPLICANT: Pollock, Joanne;
                                                                                                                                                                                                                                                                                                Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
Garman, Richard D;
Kuo, Mei-Chang;
Yeung, Siu-mei H.;
Brauer, Andrew;
Extey, Mark A.;
Powers, Steven P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  34.3%;
80.0%;
                    34.3%;
80.0%;
Ouery Match
Best Local Similarity 80.0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 80.v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 SSGKNEGTNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 SSGKYEGGNI 20
                                                                                                    1 SSGKNEGTNI 10
                                                                                                                                       SSGKYEGGNI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: US
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-672-345C-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FOPOLOGY:
                                                                                                                                                                                                  RESULT 6
US-08-467-023-56
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
```

ö

ö

g ઠે

```
OFENAL:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,985
                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 14 amino acida
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TOPOLOGY: linear
US-08-475-989-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 NEGTNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6 NEGTNV 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-475-985-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                   ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 31.5; DB 6; Length 20;
Pred. No. 1.7e+02;
4; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                          Query Match 30.0%; Score 31.5; DB 6; Length 20; Best Local Similarity 44.4%; Pred. No. 1.7e+02; Matches 8; Conservative 4; Mismatches 5; Indels
                                 Parent No. 5204097

APPLICANT: ARNON, RUTH, HARARI, ILANA; KBUSCH, GERALD T.

DONOHUE-ROLFE, ARTHUR

TITLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND

VACCINE THERETO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 11
US-08-475-989-16
; Sequence 16. Application US/08475989
; Patent No. 5679352
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pele
; APPLICANT: RANDIL, Ali
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: Synthetic Haemophilus Influenzae
; TITLE OF INVENTION: Conjugate Vaccine
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fatent No. 5204097

APPLICANT: ARNON, RUTH; HARARI, ILANA; KEUSCH, GERALD T.

; DONOHUB-ROLFE, ARTHUR

TITLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Sim & McBurney
Suite 701, 330 University Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VACCINE THERETO

VUMBER OF SEQUENCES: 5

CURRENT APPLICATION DATA:

FILING DATE: 09-JUN-1989

PRIOR APPLICATION DATE: 09-JUN-1989

PRIOR APPLICATION DATE: 09-JUN-1989

FILING DATE: 06-JUN-1987

FILING DATE: 06-JUL-1987
                                                                                                                              NUMBER OF SEQUENCES: 5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/364,506
FILING DATE: 09-JUN-1989
PRICR APPLICATION DATA:
APPLICATION NUMBER: 70,243
FILING DATE: 06-JUL-1987
                                                                                                                                                                                                                                                                                                                                                                                                                                            3 GKNEGTNIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 GKNEGTNIYNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GKVEYTK-YNDDDTFTVK 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 44.49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: Canada
ZIP: M5G 1R7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDALL
STREET: SULL
TTY: Toronto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: Ontario
COUNTRY: Canada
                                                                                                                                                                                                                                                                                    LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO:3:
                                                                                                                                                                                                                                                                SEQ ID NO:3
RESULT 9
5204097-3
                                                                                                                                                                                                                                                                                                       5204097-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5204097-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5204097-3
                                                                                                                                                                                                                                                                                                                                                                                                                      δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
```

```
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16, Application US/08475985

Patent No. 5972349

GENERAL INFORMATION:
APPLICANT: KANDIL, Ali
APPLICANT: KANDIL, Ali
APPLICANT: SIA, Charles
APPLICANT: SIA, Charles
TITLE OF INVENTION: Synthetic Haemophilus Influenzae
TITLE OF INVENTION: Conjugate Vaccine
TITLE OF SEQUENCES: 56
CORRESPONDENCES: 56
CORRESPONDENCES: ADDRESSE:
STREET: Suite 701, 330 University Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29.5%; Score 31; DB 1; Length 14; 83.3%; Pred. No. 1.46+02; tive 1; Mismatches 0; Indels
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,989
FILING DATE: 07-JUN-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/256,839
FILING DATE: 03-FEB-1993
CLASSIFICATION NUMBER: PCT/CA93/00041
FILING DATE: 03-FEB-1993
CLASSIFICATION NUMBER: PCT/CA93/00041
FILING DATE: 03-FEB-1993
CLASSIFICATION NUMBER: RCT/CA93/00041
FILING DATE: 03-FEB-1993
CLASSIFICATION NUMBER: GB 9202219.3
FILING DATE: 03-FEB-1993
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: GB 9202219.3
FILING DATE: 03-FEB-1992
CLASSIFICATION: A24
PRIOR APPLICATION NUMBER: GB 9202219.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1038-505 MIS:vg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Suite 701, 330 University
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5G 1R7
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPUTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ALIGNATION IN CONTROL IN REGISTRATION NUMBER: 24,973
REGISTRATION NUMBER: 24,973
REFERENCE/DOCKET NUMBER: 1038
TELEPHONE: (416) 595-1155
TELEPHONE: (416) 595-1155
INFORMATION FOR SEQ ID NO: 16: SEQUENCE CHARACTERISTICS:
```

Gaps

```
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Twam, Akinori
APPLICANT: Iwam, Akinori
APPLICANT: Iwam, Akinori
APPLICANT: Iwam, Akino
APPLICANT: Iwam, Applicant
APPLICANT: Iwam, Akino
APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: COMB, DONALD G.
APPLICANT: PERLER, FRANCINE B.
APPLICANT: PACK, WILLIAM E.
APPLICANT: TOWN, MING-QUN
APPLICANT: HODGES, ROBERT A.
APPLICANT: HODGES, ROBERT A.
APPLICANT: CHONG, SHARNONG S.C.
APPLICANT: CHONG, SHARNONG S.C.
APPLICANT: SOUTHWORTH, MAURICE
APPLICANT: PROPURINS PROPURINS FOR PURIFICATION OF TARGET
TITLE OF INVENTION: PROTEINS
                                                                                                                                                                                                                                                                                                                             ;;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 155
CORRESPONDENCE ADDRESS:
ADDRESSEE: GREGORY D. WILLIAMS; NEW ENGLAND BIOLABS, INC.
STREET: 32 TOZER RAOD
                                                                                                                                                                                                                                                       Length 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 31; DB 4; Length 15;
Pred. No. 1.5e+02;
0; Mismatches 4; Indels
                                                                                                                                                                                                                                                   Score 31; DB 3; Length 14;
Pred. No. 1.4e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 65
US-09-142-524D-79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 79, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 127, Application US/08811492; Patent No. 5834247; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 174
SOFWARE: Patentin version 3.1
SEQ ID NO 79
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 29.5%;
Best Local Similarity 60.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                LENGTH: 14 amino acids
                                                                                   TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 YNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 YTKKEAFNVE 10
                                                                                                                                                                                                                                                                                                                                                                                        5 NEGTNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 NEGTNV 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JS-09-142-524D-79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-811-492-127
                                                                                                                                                                                     US-08-256-839-16
                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 31; DB 2; Lengtn 13, Pred; No. 1.48+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16, Application US/08256839
Fatent No. 6018019
GENERAL INFORMATION:
APPLICANT: CHOOK, Pele
APPLICANT: SIA, Charles
APPLICANT: KABUIL, Ali
APPLICANT: KABUIL, Michel
TITLE OF INVENTION: Synthetic Haemophilus Influenzae
TITLE OF INVENTION: Conjugate Vaccine
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sim & McBurney
STREET: Suite 701, 330 University Avenue
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/256,839
FILING DATE: 03-FEB-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/CA93/00041
FILING DATE: 03-FEB-1993
CLASSIFICATION NUMBER: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9202219.3
FILING DATE: 03-FEB-1992
CLASSIFICATION DATA:
APPLICATION NUMBER: GB 9202219.3
FILING DATE: 03-FEB-1992
CLASSIFICATION NUMBER: 24,973
FREGESTRANCY NUMBER: 24,973
FREGESTRANCY NUMBER: 24,973
FREERENGE/DOCKET NUMBER: 1038-506 MIS:vg
FELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 595-1163
TELEPHONE: (416) 595-1163
TELEPHONE: H4 amino acide
TREATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acide
TVPE: Angel Secore 31; DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 424
CLASSIFICATION:
NAME: STEWART, MICHAEL I.
REGISTRATION NUMBER: 24,973
REFERENCE/DOCKET NUMBER: 1038-373 MIS:jb
TELECOMMUNICATION INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (416) 595-1155
TELEFAX: (416) 595-1163
INFORMATION FOR SEO ID NO: 16
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: MSG_IR7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 NEGTNI 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 NEGTNV 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 13
US-08-256-839-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
```

ö

Gaps

```
STATE: MASCACHUSETIS

COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

COMPUTER: IMAN FC compactible

COMPUTER: IMAN FC COMPUTER:

COMPUTER: IMAN FC COMPUTER:

COMPUTER: IMAN FC COMPUTER:

COMPUTER: IMAN FC COMPUTER:

COMPUTER: 20-DEC-1995

CLASSIFICATION NAME:

CLASSIFIC
```

Search completed: June 20, 2005, 16:00:54 Job time : 22.6 secs

2 SGKNEGTNIYNNN 14 :|:|| | ||: 6 NGRNGGNNGGNND 18

දු පු

```
June 20, 2005, 15:55:27 ; Search time 72.4 Seconds (without alignments) 106.072 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/PCT MEW PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/PCT MEW PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/USO6_NEW PUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/USO6_NEW PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USO6_NEW PUB.pep:*
7/cgn2_6/ptodata/2/pubpaa/USO8_NEW PUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USO8_NEW PUB.pep:*
9: /cgn2_6/ptodata/2/pubpaa/USO8_NEW PUB.pep:*
10: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO9_NEW PUB.pep:*
11: /cgn2_6/ptodata/2/pubpaa/USO9_NEW PUB.pep:*
12: /cgn2_6/ptodata/2/pubpaa/USO9_NEW PUB.pep:*
13: /cgn2_6/ptodata/2/pubpaa/USO0_NEW PUB.pep:*
14: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
15: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
16: /cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/USO0_NEW PUB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/USO0_NEW PUB.pep:*
19: /cgn2_6/ptodata/2/pubpaa/USO0_NEW PUB.pep:*
20: /cgn2_6/ptodata/2/pubpaa/USO0_NEW PUB.pep:*
21: /cgn2_6/ptodata/2/pubpaa/USO0_NEW PUB.pep:*
22: /cgn2_6/ptodata/2/pubpaa/USO0_NEW PUB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1714042 seqs, 383979560 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                   OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                        104
1 YNNNEAFKVENGSAAPQLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                  US-09-202-464-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB seq length: 0
Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                 Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                                                                                                                                                                                                                                                                                                                    Sequence:
                                                                                                                                                                                                     Run on:
                                                                                                                                                                                                                                                                                                                                     Title:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	_	_	_			_	_	_	_		
	App]	Appl	App]	App]	Appl	App]	App]	App]	App]	App	App]
_	80,	12,			-,	31,	31,	15,		41,	41,
Description	Seguence 80,	Sequence 12	ence	Sequence 81,	nce 3	Sequence 31,	ence	Sequence 15,	Sequence 78,	ence	Sequence 41,
scri	Seau	Sequ	Sequ	Sequ	edne	Sequ	Sequ	Sequ	Segu	Sequ	Sedu
De					(C)						
	- 08	US-10-354-240-12	.79	.81	11	31	.31	1-15	.78	41	41
S	240-	-240-	-240-	-240-	460-3	-829-	-067-	-8297	-240-	-484-	-933-
SUMMARIES	354	-354	-354	-354	767-	-777	-818	-449	-354	-216	-384
	S-10	S-10	S-10	S-10	-60-	S-10	S-10	S-10	S-10	S-10	S-10
ΩI	þ	Þ	Þ	; 	S	: -	:- -	: ::	.	; ;	<u>-</u>
. 60	14	7	7	14	0	1	H	ä	14	7	14
% Query Match Length DB	15	20	15	15	15	15	15	16	15	20	20
1 당성	<u>.</u> 9	0	7	'n	۲.	۲.	۲.	۲.	8	₩.	ω.
Oue. Matre	59	51.9	46	41	32	32	32	31	29	29	59
Score	62	54	48	43	34	34	34	33	31	31	31
Result No.	1	8	٣	4	ហ	9	7	80	σ	10	11

Sequence 16, Appl Sequence 17, Appl Sequence 71, Appl Sequence 31, Appl Sequence 62, Appl Sequence 62, Appl	209 211, 212, 392, 392,	Sequence 393, App Sequence 75, Appl Sequence 76, Appl Sequence 77, Appl Sequence 78, Appl Sequence 79, Appl Sequence 251, App	5, AF 5, AF 796, 820, 11, A	827, 828, 194, 74, 70,
4 US-10-227-616-16 4 US-10-173-461-17 6 US-10-769-514-71 7 US-10-053-485-31 7 US-10-203-963A-208	6 US-10-203-969A-2 6 US-10-203-969A-2 6 US-10-203-969A-2 6 US-10-203-969A-3 6 US-10-203-969A-3 6 US-10-203-969A-3	 	0 US-10-7-10-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	6 US-10-4 6 US-10-4 4 US-10-2 6 US-10-7 4 US-10-2
<i>ааааа</i>	2222222			<i>а</i>
788887	18 29 27.9 20 27.9 20 20 20 20 20 20 20 20 20 20 20 20 20		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27. 26. 26. 26.

ALIGNMENTS

US-10-354-240-80

is Sequence 80, Application US/10354240

jeublication No. USZ0030185847A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Name, Akinori
APPLICANT: Name, Akinori
APPLICANT: Rime, Mariko
APPLICANT: Name, Akinori
APPLICANT: Nonestion 10-29
CURRENT FILING DATE: 1999-09-09
FRIOR APPLICATION NUMBER: US/1769/00740
FRIOR APPLICANTON NUMBER: US/1769-09
FRIOR APPLICANTON CEPTION OF THE TIME
CREATURE:
CREATURE:
FEATURE:
FEA

ö

```
APPLICANT: Some, Actions:
APPLICANT: Some, Actions:
APPLICANT: Sume, Actions:
APPLICANT: Wame, Actions:
APPLICANT: Wame, Actions:
APPLICANT: Wame, Actions:
APPLICANT: Wile, Kohsuke
APPLICANT: Kino, Kohsuke
ITILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
ITILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
ITILE OF INVENTION NUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 81
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Mandell, Arnold
APPLICANT: Mandell, Arnold
APPLICANT: Malesinger, Michael
APPLICANT: Selz, Karen
APPLICANT: Shlesinger, Michael
TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of th
TITLE OF INVENTION: Punctions of Receptors and/or Other Proteins
FILE REFERENCE: 01561-0002-CPUS01
CURRENT APPLICATION NUMBER: US/09/767,460
CURRENT APPLICATION NUMBER: US/09/767,460
SURRENT PILING DATE: 2001-01-23
NUMBER OF SEQ ID NOS: 96
SOFTWARE: Patentin version 3.0
SEQ ID NO 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 43; DB 14; Length 15; Pred. No. 3.7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 34; DB 9; Length 15;
Pred. No. 1.2e+02;
2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 67
US-10-354-240-81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
                                                                                                                                                                                                 Sequence 81, Application US/10354240 Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . Sequence 31, Application US/09767460
; Patent No. US20020009756A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       41.3%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Synthetic US-09-767-460-31
                                                                        1 YTKKEAFNVENGNA 14
                            1 YNNNEAFKVENGSA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 50.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 YNNNEAFKVENG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11 NGSAAPQLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 NGNATPOLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                             US-10-354-240-81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-767-460-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                            ò
                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              δ
                                                                                                                                                   Sequence 12, Application US/10354240

Sequence 12, Application US/10354240

Sequence 12, Application US/2030185847A1

GENERAL INFORMATION:
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinor
APPLICANT: Kume, Akinor
APPLICANT: Kume, Akinor
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION: Poptide-Based Immunotherapeutic Agent for Treating Allergic Disea
TITLE OF INVENTION NUMBER: US/10/354,240

CURRENT FILING DATE: 1997-03-10

FRIOR PILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 12

LENGTH: 20

LENGTH: 20

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea FILE REFERENCE: SPO-103D1
CURRENT APPLICATION WUMBER: US/10/354,240
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR PILING DATE: 1997-03-10
PRIOR APPLICATION NUMBER: US 09/142,524
PRIOR FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 174
SOFFWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 51.9%; Score 54; DB 14; Length 20; Best Local Similarity 100.0%; Pred. No. 0.074; Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 46.2%; Score 48; DB 14; Length 15; Best Local Similarity 64.3%; Pred. No. 0.53; Matches 9; Conservative 1; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (1). 7(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 79, Application US/10354240 Publication No. US20030185847A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Cryptomeria japonica
US-10-354-240-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Cryptomeria japonica
                            6 AFKVENGSAAPQLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ||||||||||
11 YNNNEAFKVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 YNNNEAFKVE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: MISC FEATURE
                                                                                                                      RESULT 2
US-10-354-240-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-10-354-240-79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-354-240-79
                                           엄
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         쉽
ò
```

```
Sequence 15, Application US/10449829A

Sequence 15, Application W2/10443629A

Publication No. US20040043425A1

GENERAL INFORMATION:

APPLICANT: TERRETT, Jonathan Alexander

APPLICANT: HALL, Ian Philip

TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF CHRON

TITLE OF INVENTION: ASTHMA

FILE REFERENCE: 2543-1-029

CURRENT APPLICATION NUMBER: US/10/449,829A

CURRENT FILING DATE: 2001-12-10

PRIOR FILING DATE: 2001-12-10

NUMBER OF SEQ ID NOS: 49

SOFTWARE: Patentin Version 3.1

SECTION 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VS-10-1364-240-78

VS-10-1354-240-78

Sequence 78, Application US/10354240

Publication No. US2030185847A1

Sequence 78, Application US/10354240

Sequence 78, Application US/1030185847A1

Sequence 78, Application VS COSCONIAN CONTROL CONT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 33; DB 15; Length 16; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; NAME/KEY: MISC FEATURE
; LOCATION: (1): (15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 64
US-10-354-240-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 31; DB 14;
Pred. No. 3.8e+02;
0; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

29.8%;

Best Local Similarity 60.0%;

Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 45.5
Matches 5; Conservative
                                                2 YKHNEATDIEKG 13
      1 YNNNEAFKVENG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7 FKVENGSAAPO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 FNISNGGPAPE 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 YNNNEAFKVE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-449-829A-15
                                                                     ద
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
      ઠે
                                                                                                                                                                  Sequence 31. Application US/1077829
; Sequence 31. Application US/1077829
; Publication No. US20050027457A1
; GENERAL INFORMATION:
; APPLICANT: MANDELL, ARNOLD J.
; APPLICANT: SELZ, KAREN A.
; APPLICANT: SELZ, KAREN A.
; TITLE OF INVENTION: ALGORITHMIC DESIGN OF PEPTIDES FOR BINDING AND/OR MODULATION OF
; TITLE OF INVENTION: THE FUNCTIONS OF RECEPTORS AND/OR OTHER PROTEINS
; TILLE OF INVENTION: THE FUNCTIONS OF RECEPTORS AND/OR OTHER PROTEINS
; FILE REFERENCE: 31010-701.301
; CURRENT FILLING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 09/490,701
; PRIOR PILLING DATE: 2001-01-24
; PRIOR PILLING DATE: 2000-01-24
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PATENTIN VERSION 3.2
; SEQ ID NOS: 99
; SOFTWARE: PATENTIN VERSION 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: SELZ, KAREN A.

APPLICANT: SELZ, KAREN A.

APPLICANT: SELZ, KAREN A.

APPLICANT: SHLESINGER, MICHAEL F.

TITLE OF INVENTION: ALGORITHMIC DESIGN OF PEPTIDES FOR BINDING AND/OR MODULATION OF

TITLE OF INVENTION: THE FUNCTIONS OF RECEPTORS AND/OR OTHER PROTEINS

TITLE OF INVENTION: THE FUNCTIONS OF RECEPTORS AND/OR OTHER PROTEINS

FILE REFERENCE: 31010-701.502

CURRENT APPLICATION NUMBER: 10/777,829

PRIOR FILING DATE: 2004-02-11

PRIOR APPLICATION NUMBER: 09/490,701

PRIOR APPLICATION NUMBER: 09/490,701

PRIOR FILING DATE: 2000-01.24

NUMBER OF SEQ ID NOS: 107

SOFTWARE: Patentin version 3.2

SEQ ID NO 31

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 34; DB 17; Length 15;
Pred. No. 1.2e+02;
2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 32.7%; Score 34; DB 17; Length 15; Best Local Similarity 50.0%; Pred. No. 1.2e+02; Matches 6; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , OTHER INFORMATION: Synthetic peptide US-10-777-829-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Synthetic peptide US-10-818-067-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 31, Application US/10818067; Publication No. US20050119454A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 32.7%;
Best Local Similarity 50.0%;
Matches 6; Conservative
2 YKHNEATDIEKG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 YNNNEAFKVENG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 YKHNEATDIEKG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-818-067-31
                                                                                                                                                                  US-10-777-829-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ద
```

```
US-10-227-616-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 41, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
    APPLICANT: Serizawa, No. US20030170817A1ufusa
    APPLICANT: Haruyama, Hideyuki
    APPLICANT: Haruyama, Hideyuki
    APPLICANT: Takahabhi, Tohru
    TITLE OF INVENTION: Anti-Fas Antibodies
    FILE REFRENCE: 98012GCIP/HG
    CURRENT APPLICATION NUMBER: US/10/384,933
    CURRENT FILING DATE: 2003-02-05
    PRIOR APPLICATION NUMBER: US/09/499,662
    PRIOR APPLICATION NUMBER: US/09/499,662
    PRIOR APPLICATION NUMBER: EMALIER APPLICATION NUMBER: US/09/499,662
    PRIOR FILING DATE: 2000-02-09
    PRIOR FILING DATE: BARLIER FILING DATE: 1998-04-01
    NUMBER OF SEQ ID NOS: 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29.8%; Score 31; DB 14; Length 20; 60.0%; Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29.8%; Score 31; DB 14; Length 20; 60.0%; Pred. No. 5.3e+02; tive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Indels
                                                                                         WS-10-216-484-41

Sequence 41, Application US/10216484

Publication No. US20030103976A1

GENERAL INFORMATION:

APPLICANT: Baruyama, Hideyuki

APPLICANT: Haruyama, Hideyuki

APPLICANT: Takahashi, Tohu

TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG

CURRENT FALION NUMBER: US/10/216,484

CURRENT FILING DATE: 2002-08-09

PRIOR APPLICATION NUMBER: US/09/499,662

PRIOR APPLICATION NUMBER: US 09/053,583

PRIOR FILING DATE: 1998-04-01

SEQ ID NO 41

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 YNNNEAFKVE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 YNNNEAFKVE 10
6 YTKKEAFNVE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 YTKKĖAFNVĖ 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 YTKKEAFNVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
Matches 6, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
US-10-384-933-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-216-484-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-384-933-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 41
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

RESULT 12

```
MS-10-173-461-17

Sequence 17, Application US/10173461

Sequence 17, Application US/10173461

Sequence 17, Application No. US20030138795A1

GENERAL INFORMATION: US200310138795A1

TITLE OF INVENTION: POLYNUCLECTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH HOMOLOGY

TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR, BGS-8, EXPRESSED HIGHLY IN IMMUNE TISSUI

CURRENT PILING DATE: 2002-06-14

CURRENT PILING DATE: 2002-06-14

NUMBER OF SEQ ID NOS: 69

SEQ ID NOS: 69

SOFTWARE: PATENTIAN VERSION 3.0

SEQ ID NO 17

LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 71, Application US/10769514

Publication No. US20040258695A1

GENERAL INFORMATION:

APPLICANT: Schryvers, Anthony

TITLE OF INVENTION: Transferrin Binding Peptides and Uses Thereof

FILE REFERENCE: 028722-001

CURRENT APPLICATION NUMBER: US/10/769,514

CURRENT FILING DATE: 2004-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28.8%; Score 30; DB 14; Length 14; 85.7%; Pred. No. 5.1e+02; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 30; DB 14;
Pred. No. 4.3e+02;
2; Mismatches 3;
Sequence 16, Application US/10227616
Publication No. US20030099662A1
GENERAL INFORMATION:
APPLICANT: Boyd, Robert Simon
APPLICANT: Bramps, Alasdair Craig
APPLICANT: Terrett, Jonathan Alexander:
ITTLE OF INVENTION: Proteins
FILE REFERENCE: 2543-1-028
CURRENT APPLICATION NUMBER: US/10/227,616
CURRENT PILING DATE: 2000-02-25
PRIOR APPLICATION NUMBER: GB 0031341.1
PRIOR PILING DATE: 2000-02-25
PRIOR PILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 110
SEQ ID NO 16
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT FILING DATE: 2004-01-30 PRIOR APPLICATION NUMBER: US 60/444,113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 28.8
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 28.8
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | |: | | : |
1 NGNQAFNEDN 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 NNNEAFKVEN 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8 KVENGSA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 OVENGSA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-173-461-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-769-514-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-227-616-16
```

```
1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 31, Application US/10053485

Publication No. US20030047680A1

GENERAL INFORMATION:

APPLICANT: Riges, Daniel

TILE OF INVENTION: ELECTROOSMOTIC FLUIDIC DEVICE AND RELATED METHODS

FILE REFRENCE: WOTHLISE OF 1007101861.7

CURRENT APPLICATION NUMBER: US/10/053,485

CURRENT FILING DATE: 2002-05-28

PRIOR APPLICATION NUMBER: US 60/069,398

PRIOR APPLICATION NUMBER: US 60/069,398

PRIOR PILING DATE: 1997-12-12

NUMBER OF SEQ ID NOS: 66

SOFTWARE: PatentIn version 3.0

SEQ ID NO 31

LENGTH: 18
                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                         Query Match 28.8%; Score 30; DB 16; Length 15; Best Local Similarity 57.1%; Pred. No. 5.6e+02; Matches 8; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 28.8%; Score 30; DB 14; Length 18; Best Local Similarity 55.6%; Pred. No. 6.9e+02; Matches 5; Conservative 2; Mismatches 2; Indels
                                                                                                                                                        FEATURE:
COTHER INFORMATION: TbpB N-lobes of Bovine Pathgens US-10-769-514-71
PRIOR FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 86
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 71
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-053-485-31
                                                                                                                                                                                                                                                                                                                                2 NNNEAF----KVEN 11
                                                                                                                                                                                                                                                                                                                                                           1 NNNEAWAKNLKKEN 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |:|| :| |
4 NDAFGIEEG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 NEAFKVENG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
US-10-053-485-31
                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       임
                                                                                                                                                                                                                                                                                                                                  ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
```

Search completed: June 20, 2005, 16:29:58 Job time : 72.4 secs

P. S. GREEGE

THIS PAGE BLANK (USPTO)

```
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECHWUNICATION INPORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 anino acids
TYPE: amino acid
TOPLOCAT: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: pitternal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 58, Appl
Sequence 19, Appl
Sequence 80, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 31, Appl
Sequence 59, Appl
Sequence 51, Appl
Sequence 64, Appl
Sequence 67, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 57, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 31, Appl
Sequence 17, Appl
Sequence 2, Appl
Sequence 2, Appl
Patent No. 5204097
Sequence 64, Appl
Sequence 5, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 11, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                           (without alignments)
69.120 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Description
                                                                             June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
                                                                                                                                                                                                                                                                                                                                                                                      /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-467-023-58

US-08-467-023-19

US-08-142-524D-80

US-09-142-524D-12

US-09-142-524D-12

US-09-142-524D-13

US-09-142-524D-13

US-09-142-524D-81

US-08-191-866D-64

US-08-191-866D-64

US-08-185-949B-64

US-08-185-949B-64

US-08-185-949B-64

US-08-142-524D-78

US-08-467-023-57

5204097-4

US-08-031-538-42

US-08-797-13

US-08-747-802-5

US-08-747-802-5
                                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                            513545 seqs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                                                      Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                    OM protein - protein search, using sw model
                                                                                                                                              104
1 YNNNEAFKVENGSAAPQLTK 20
                                                                                                                                                                                    BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                            Issued_Patents_AA:*
                                                                                                                                US-09-202-464-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                               seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Perfect score:
                                                                                                                                                                                     Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum DB
Maximum DB
                                                                                                                                                            Sequence:
                                                                                                                                                                                                                          Searched:
                                                                                                                                                                                                                                                                                                                                                                            Database
                                                                             Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Š
```

Sequence 22, Appl Sequence 11, Appl Sequence 21, Appl Sequence 15, Appl Sequence 22,		des From
11 3 US-08-476-900A-22 11 3 US-08-488-546A-12 16 2 US-08-470-419-21 16 2 US-08-470-419-21 16 2 US-08-470-419-21 16 3 US-08-29-105-21 16 3 US-08-29-105-21 16 3 US-08-29-22 16 3 US-08-28-21 16 3 US-08-482-810-21 16 4 US-09-636-805-22 16 4 US-09-636-805-21 16 4 US-08-636-805-21 16 4 US-09-636-805-21 16 4 US-09-636-805-11 19 3 US-08-813-75-15 19 3 US-08-813-75-15 19 1 US-08-462-949-22	ALIGNMENTS	T 1 -457-023-58 uence 58, Application US/08467023 ent No. 6090384 APPLICANT: Gariffeth, Irwin J.; APPLICANT: Bollock, Joanne; APPLICANT: Bond, Julian F.; APPLICANT: Bond, Julian F.; APPLICANT: Baner, Michard D; APPLICANT: Baner, Andrew; APPLICANT: Raier, Andrew; APPLICANT: Raier, Andrew; APPLICANT: Reauer, Andrew; APPLICANT: Raier, Mark A.; APPLICANT: Brauer, Andrew; APPLICANT: Andrew; ADDRESSEE: ImmuLogic Pharmaceutical Corporation, INGRESSEE: ImmuLogic Pharmaceutical Corporation, INGRESSEE: Infall Color Strew; AUSA COUNTRY: USA CONFORTER: Infall Color Syries COMPUTER: Info Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: IBP C COMPUTER: USA COMPUTER: IBP C COMPUTER: USA SOFTWARE: DatentIn Release #1.0, Version #1.25 FILING DATE: June 6, 1995 FILING DATE: December 6, 1994 ATTORNEY/AGGNT INPORMATION: NAME: Jane E Remillard NAME: Jane E Remillard NAME: Jane E Remillard
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		T 1 467-023-58 uence 58, Application US/084670: ent No. 6090386. APPLICANT: Griffeth, Irwin J.; APPLICANT: Bond, Julian F.; APPLICANT: Bond, Julian F.; APPLICANT: Bond, Julian F.; APPLICANT: Bond, Julian F.; APPLICANT: Brauer, Andrew; APPLICANT: Kuo, Mei-Chang; APPLICANT: Exley, Mark A.; APPLICANT: Exley, Mark A.; APPLICANT: Exley, Mark A.; APPLICANT: Exley, Mark A.; APPLICANT: Drowers, Steven P. TITLE OF INVENTION: Japanese C. NUMBER OF SEQUENCES: 261 COUNTRY: USA COUNTRY: USA COUNTRY: USA CONPUTER: Floppy disk COMPUTER: IBM PC Comparible OPERATING SYSTEM: PC-DOS/MS-1 SOFTWARR: PS READABLE FORM: MEDIUM TYPE: June 6, 1995 FILING DATE: June 6, 1995 FILING DATE: June 6, 1995 FILING DATE: December 6, 1995 FILING DATE: BRENTIANDER NAME: DECEMBER FRENTIANDER NAME: BRENTIANDER NAME: BRENTANDER NAME: BRENTANDER NAME: BRENTANDER NAME: BRENTANDER NAME:
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		RESULT 1 US.08-467-023-58 Sequence 58, Applicat Patent No. 6090386 APPLICANT: Griffe APPLICANT: Bolloc APPLICANT: Bond, APPLICANT: Garman APPLICANT: Garman APPLICANT: Braug, APPLICANT: Exley, APPLICANT: Braug, ATTORNEY, AGENT INF

```
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-142-524D-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-773-008-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                   Gaps
                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Giffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                              Query Match 71.2%; Score 74; DB 3; Length 20; Best Local Similarity 70.0%; Pred. No. 3.3e-06; Matches 14; Conservative 1; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc. STREET: 610 Lincoln St. CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023

FILING DATE: June 6, 1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/350,225

FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Jane E. Remillard

REGISTRATION NUMBER: 38,872

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELEPHONE: (617) 227-7400

TELEPHONE: (617) 227-7400

TELEPHONE: (617) 227-7400

TELEPHONE: (617) 227-7400

TELEPHONE: (617) 227-75941

INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:

LENGTH: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 64.4%; Score 67; DB 3; Le
Best Local Similarity 81.2%; Pred. No. 4.2e-05;
Matches 13; Conservative 1; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Cryptomeria japonica
US-08-467-023-19
                                                                                                                                                                                                                                                                                                                Sequence 19, Application US/08467023
Patent No. 6090386
                                                                                                                                                                           1 YTKKEAFNVENGNATPQLTK 20
                                                                                                                                               1 YNNNEAFKVENGSAAPQLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: US
ZIP: 02154
US-08-467-023-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY:
STATE:
```

1 EAFNVENGNATPOLTK 16

g

```
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Dairiki, Kazuo
APPLICANT: Mana, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseas
TITLE OF INVENTION: NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: US/09/142,524D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                            GENERAL INFORMATION:
APPLICANT: SANOU, Osamu
APPLICANT: HINO, Kareuhiko
APPLICANT: HINO, Massahi
TITLE OF INVENTION: PROTEIN, PROCESS TO PRODUCE THE SAME,
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STRATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    63.5%; Score 66; DB 2; Length 16; 81.2%; Pred. No. 6.2e-05; tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                        CUDULKY: USA

CUDULKY: USA

CUDULKY: USA

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/773,008
FILING DATE: 24-DEC-1996
CLASSIPICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/354,815
FILING DATE: 08-DEC-1994
APPLICATION NUMBER: US/04/37017
FILING DATE: 27-DEC-1993
ATONNEY/AGENT INPORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REJERRINGE/DOCKET NUMBER: SANOU=1
TELECOMMUNICATION INFORMATION:
TELEFRAK: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 80, Application US/09142524D Patent No. 6719976
Sequence 4, Application US/08773008
Patent No. 5874401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5 EAFKVENGSAAPQLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 EAFNVENGXATPOLTK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 81.2
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 248633
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sone, Toshio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
```

```
Sequence 81. Application US/09142524D

Sequence 81. Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Nume, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akino
APPL
                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Allergenic Proteins And Peptides From Japanese Cedar Pollen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 41.3%; Score 43; DB 4; Length 15; 80.0%; Pred. No. 0.59;
                                                                                                                                                                                                                                                                                                                                             46.2%; Score 48; DB 4; Length 15; 64.3%; Pred. No. 0.079;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                  TYPE: PRT
GRANISM: Cryptomeria japonica
GRANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)...(15)
GOTHER INFORMATION: Cryjl peptide, Figure 1, Row 65
US-09-142-524D-79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Cryptomeria japonica
PERATURE:
NAME/KEY: MISC_PEATURE
J. CCATION: (1)...(15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 67
US-09-142-524D-81
                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Pollock, Joanne;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung; Siu-mei H.;
APPLICANT: Exley, Mark A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/08467023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergeni
TITLE OF INVENTION: Japanese
            SOFTWARE: Patentin version 3.1 SEQ ID NO 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 YNNNEAFKVENGSA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 YTKKEAFNVENGNA 14
                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 64.3
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11 NGSAAPOLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 NGNATPOLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 7
US-09-142-524D-81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-467-023-59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 59,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Sone, Toshio
APPLICANT: Sume, Akinori
APPLICANT: Mame, Akinori
APPLICANT: Mame, Akinori
APPLICANT: Mame, Akiko
APPLICANT: Inwama, Akiko
APPLICANT: Wino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: US/09/142,524D
PRIOR APPLICATION NUMBER: PET/JP97/00740
PRIOR RILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 12
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Iwama, Akinori
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
APPLICANT: Iwama, Akiko
TITLE OP INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 62; DB 4; Length 15;
Pred. No. 0.00029;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 51.9%; Score 54; DB 4; Length 20; 100.0%; Pred. No. 0.01; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                              NAME/KEY: MISC_FEATURE
CCATTON: (1)...(15)
UCHER INFORMATION: Cryjl peptide, Figure 1, Row 66
US-09-142-224D-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCI/JP97/00740
NUMBER OF SEQ ID NOS: 174
PRIOR APPLICATION NUMBER: PCT/JP97/00740 PRIOR FILING DATE: 1997-03-10 NUMBER OF SEQ ID NOS: 174 SEQ ID NO 80 LENGTHARE: Patentin version 3.1 LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 12, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 79, Application US/09142524D
; Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                            59.6%;
                                                                                                                                                                                                                     ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 AFKVENGSAAPQLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 YNNNEAFKVE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 12; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 10; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 6
US-09-142-524D-79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 5
US-09-142-524D-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-142-524D-12
                                                                                                                                                             LENGTH: 15
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
```

```
ö
                                                                                                                                                                                                             GENERAL INFORMATION:

APPLICANT: Cochran, Mark D

APPLICANT: Macdonald, Richard D.

TITLE OF INVENTION: Recombinant Infectious Bovine

TITLE OF INVENTION: Rhinotracheitis Virus S-IBR-052 And Uses Thereof

NUMBER OF SEQUENCES: 99

CORRESPONDENCE ADDRESS:

ADDRESSEE: John P. White

STREET: 1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30.8%; Score 32; DB 1; Length 17; 50.0%; Pred. No. 57; tive 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 64, Application US/08185949B
Patent No. 5874279
GENERAL INFORMATION:
APPLICANT: Mark D. Cochran
APPLICANT: Richard D. Macdonald
TITLE OF INVENTION: Recombinant Infectious Bovine
TITLE OF INVENTION: Rhinotracheitis Virus
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESSE:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/191,866D
FILING DATE: 4 February 1994
CLASSIFICATION: 435
ATTONREY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPAX: (212) 278-0400
TELEPAX: (212) 391-0525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                  Sequence 64, Application US/08191866D Patent No. 5783195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   64:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity 50 v
المالية Si Conservative Si Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 422523
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
         1 YNNNEAFKVENG 12
                                                  2 YKHNEATDIEKG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 FKVENGSAAP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :|:|:| | |
2 YKIESGCARP 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
GY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: New York
STATE: New York
COUNTRY: USA
                                                                                                                      RESULT 10
US-08-191-866D-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-191-866D-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 11
US-08-185-949B-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
         ð
                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-490-702B-31

Sequence 31, Application US/09490702B

Sequence 31, Application US/09490702B

Sequence 31, Application US/09490702B

Sequence 31, Application US/09490702B

GENERAL INFORMATION:
APPLICANT: Mandell, Arnold
APPLICANT: Salz, Karen
APPLICANT: Salz, Karen
APPLICANT: Salz, Karen
APPLICANT: Salz, Karen
APPLICANT: Salz, Machael
APPLICANT: Salesinger, Michael
TITLE OF INVENTION: Functions of Receptors and/or Other Proteins
TITLE OF INVENTION: Punctions of Receptors
TITLE OF INVENTION: Punctions of Receptors
TITLE OF INVENTION: 12,000-01-24
NUMBER OF SEQ ID NOS: 96

SOOTWARE: PatentIn version 3.0

SEQ ID NO 31

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     41.3%; Score 43; DB 3; Length 20; 80.0%; Pred. No. 0.84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 32.7%; Score 34; DB 4; Length 15; Best Local Similarity 50.0%; Pred. No. 22; Matches 6; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
                                                                                                                                                             ZIP: OSTS4
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BATENTIN Release #1.0, Version #1.25
SOGTWARE: PAPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Jane B. Remillard
REGISTRATION NUMBER: 38,872
RESPERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPAS: (617) 227-5941
INFORMATION FOR SEQ ID NO: 59:
ERGUBNOE CHRARATICS:
LENGTH: 20 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc feature
) OTHER INFORMATION: synthetic
US-09-490-7028-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11 NGSAAPOLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 NGNATPOLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
TOPOLOGY: linear
                                                                                                Waltham
                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-59
                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
```

Gapa ö

```
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Kume, Akinori
APPLICANT: Tumma, Akinori
APPLICANT: Twama, Akinori
APPLICANT: Twama, Akiko
APPLICANT: Twama, Akiko
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Kohsuke
APPLICANT: Kino, Mumber: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR RILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 78
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29.8%; Score 31; DB 4; Length 15; 60.0%; Pred. No. 72; 4; Indels tive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: MISC_REATURE
COCATION: (1)...(15)
UCCHER INFORMATION: Cryjl peptide, Figure 1, Row 64
US-09-142-284D-78
                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 31; DB 1;
Pred. No. 66;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-142-524D-78
; Sequence 78, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 57, Application US/08467023 Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Garman, Richard D;
Kuo, Mei-Chang;
Yeung, Siu-mei H.;
Brauer, Andrew;
Exley, Mark A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Griffeth, Irwin J.;
Pollock, Joanne;
Bond, Julian F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Cryptomeria japonica
                                                                               ..
21
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
29.8%;
Best Local Similarity 54.5%;
Matches 6; Conservative
                                                                                                                                                                                                       ; MOLECULE TYPE: peptide; HYPOTHETICAL: NO; ANTI-SENSE: NO; FRAGMENT TYPE: internal US-07-961-724C-5
               (703) 413-2220
                                                                                                                                  LENGTH: 14 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                            TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match
Best Local Similarity 60.0.
Best Gonservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10 ENGSAAPQLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 OSEKAAPOLSK 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 YNNNEAFKVE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 YTKKEAFNVE 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Griffeth
APPLICANT: POLIOCK,
APPLICANT: Bond, JU
APPLICANT: Garman,
APPLICANT: Kuo, Mei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 14
US-08-467-023-57
            TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/07961724C

| Batent No. 5541078 |
| GENERAL INFORMATION: BRIGITTE |
| APPLICANT: CHAMEKH, MUSTAPHA |
| APPLICANT: CHAMEKH, MUSTAPHA |
| APPLICANT: CHANEKH, MUSTAPHA |
| APPLICANT: TARTAR, ANDRE |
| APPLICANT: TARTAR, ANDRE |
| APPLICANT: TARTAR, ANDRE |
| APPLICANT: GRAS-MASSE, HELEE |
| APPLICANT: GRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 30.8%; Score 32; DB 2; Length 17; Best Local Similarity 50.0%; Pred. No. 57; Matches 5; Conservative 3; Mismatches 2; Indels
MEDIUM TYPE: Floppy disk
COMPUTER: IBM 330 466 DXZ
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,949B
FILING DATE: 03-NOV-1994
FILING DATE: 03-NOV-1994
ATONEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: ,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0525
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acide
TYPE: amino acid
TYPE: amino acid
MOLECULE TYPE: protein
US-08-185-9498-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SCETAILING SILEM:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/961,724C
FILING DATE: 10-MAR.1993
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: F 90/08900
FILING DATE: 12-JUL.1990
ATTONNEY/AGENT INFORMATION:
NAME: Oblon, No. 5541078man F.
REGISTRATION NUMBER: 24,618
REGISTRATION NUMBER: 24,618
REGISTRATION NUMBER: 660-065-0X PCT
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1NFORMATION:
TELECOMMUNICATION 1NFORMATION:
TELECOMMUNICATION 1NFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDULM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7 FKVENGSAAP 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 YKIESGCARP 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Arlington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 12
US-07-961-724C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
```

ö

Gaps

```
ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYRE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
5204097
; Patent No. 5204097
; Patent No. 5204097
; DONOHUB-ROLFE, ARTHUR
; DONOHUB-ROLFE, ARTHUR
; TILLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND
; VACCINE THERETO
 NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/364,506
FILING DATE: 09-JUN-1989
; RILING APPLICATION NUMBER: 109-JUN-1989
; RILING APPLICATION NUMBER: 70,243
; FILING APPLICATION NUMBER: 70,243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 30; DB 6; Length 14;
Pred. No. 99;
4; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 29.8%; Score 31; DB 3; Length 20; Best Local Similarity 60.0%; Pred. No. 1e+02; Matches 6; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: ELADALE FORM;
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
FILING DATE: June 6, 1995
FILING DATE: December 6, 1994
ATTORNEY/AGENT INPORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 38,872
REFERENCE/FOCKET NUMBER: 0.25-7400
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELERAM: (617) 227-7400
TELERAM: (617) 227-7401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 28.8
Best Local Similarity 41.7
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 YNNNEAFKVENG 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 YNNNEAFKVE 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 YTKKEAFNVE 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;SEQ ID NO:4:
;
LENGTH: 14
5204097-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
```

2 YNDDDTFTVKVG 13

g_,

Search completed: June 20, 2005, 16:00:54 Job time : 21.6 secs

```
Appl
Appl
Appl
                                                             (without alignments)
106.072 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 11, A
Sequence 1, Al
Sequence 7, Al
Sequence 10,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 82,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence Sequence Sequence S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seguence
                                                                                                                                                                                                                                      June 20, 2005, 15:55:27 ; Search time 72.4 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                             /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep
                                                                                                                                                           332641
        GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-354-240-82
US-10-354-240-81
US-10-354-240-83
US-10-354-240-80
US-10-480-441-8
US-10-480-441-11
US-10-480-465-1
US-110-480-465-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-480-465-10
US-10-193-477-39
US-10-488-662-51
                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                           1714042 seqs, 383979560 residues
                                                                                                                                                                                                 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                       OM protein - protein search, using sw model
                                                                                             100
1 NGSAAPQLTKNAGVLTCILS 20
                                                                                                                   BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     44447777777
                                                                                     US-09-202-464-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                   Published |
                                                                                                                                                                          seq length: 0
seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query
Match 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    70.0
67.0
84.0
32.0
32.0
332.0
30.0
30.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Perfect score:
                                                                                                                    Scoring table:
                                                                                                                                                                          Minimum DB
Maximum DB
                                                                                                     Sequence:
                                                                                                                                            Searched:
                                                                                                                                                                                                                                   Database
                                                      Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Š.
```

Sequence

```
Sequence 82, Application US/10354240

Sequence 82, Application US/10354240

Sequence 82, Application US/10354240

Sequence 82, Toshio

September 92, Toshio

APPLICANT: Some, Akinori

APPLICANT: Mame, Akinori

APPLICANT: Mame, Akinori

APPLICANT: Mino, Kohauke

APPLICANT: Kino, Kohauke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

TILE REFERENCE: SPO-103D1

CURRENT FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR APPLICATION NUMBER: US 09/142,524

SOFTWARE: PatentIn version 3.1

SEQ ID NO 82

LENGTH: 15
                                Sequence 9, Appliseduence 451, Apple Sequence 451, Apple Sequence 25, Apple Sequence 25, Apple Sequence 25, Apple Sequence 27, Apple Sequence 28, Apple Sequence 23, Apple Sequence 23, Apple Sequence 475, Apple Sequence 476, Apple Sequence 476, Apple Sequence 30, Apple Sequence 476, Apple Sequence 37, Apple Sequence 476, Apple Sequence 476, Apple Sequence 476, Apple Sequence 20, Apple Sequence 21, Apple 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    70.0%; Score 70; DB 14; Length 15; 93.3%; Pred. No. 0.0002; ive 0; Mismatches 1; Indels
7 US-10-488-662-52

5 US-10-801-988-9

10S-09-864-761-48069

0 US-09-864-761-48069

0 US-09-572-270A-455

0 US-09-572-270A-455

10S-09-572-270A-455

10S-09-572-270A-455

10S-09-572-270A-455

10S-09-672-2970

10S-09-814-05-2970

10S-09-814-1553

10S-09-817-59A-22

10S-09-817-59A-22

10S-09-817-59A-22

10S-09-817-59A-22

10S-09-817-59A-22

10S-09-817-59A-22

10S-09-817-59A-22

10S-09-811-83-18

10S-09-811-83-18

10S-09-811-83-18

10S-09-811-83-18

10S-09-811-83-18

10S-09-811-83-18

10S-09-811-83-18

10S-09-81-83-18

10S-10-611-953-474

10S-10-611-953-475

10S-10-611-953-475

10S-10-611-953-476

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535

10S-10-253-286-535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: MISC FEATURE
LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Cryptomeria japonica
     Query Match
Best Local Similarity 93.3
Matches 14; Conservative
     US-10-354-240-82
```

ò

```
| FUDICACTION NO. US20030185847A]
| GENERAL INFORMATION:
| JAPLICANT: Sone, Toshio
| APPLICANT: Nume, Akinori
| APPLICANT: Tume, Akiko
| APPLICANT: Tume, Kohauke
| TITLE OF TUMENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
| TITLE OF TUMENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
| TITLE OF TUMENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
| TITLE OF TUMENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
| TITLE OF TUMENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
| FILE REFERENCE: 2003-01-29
| PRIOR APPLICATION NUMBER: US/10/354,240
| PRIOR APPLICATION NUMBER: US 09/142,524
| PRIOR APPLICATION NUMBER: US 09/142,524
| PRIOR PILING DATE: 1998-09-09
| NUMBER OF SEQ ID NOS: 174
| SEQ ID NO 80
| LENGTH: 15
| TYPE: PRIOR FILE
| FEATURE: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Armbruster, Franz Paul
APPLICANT: Karmatschek, Markus
APPLICANT: Karmatschek, Markus
APPLICANT: Farmatschek, Markus
APPLICANT: Paulsson, Mats
TITLE OF INVENTION: DETERMINATION OF BONE-SIALOPROTEIN IN BODILY FLUIDS FOR ONCOLOGIC?
TITLE OF INVENTION: PROBLEMS
TITLE OF INVENTION: PROBLEMS
CURRENT APPLICATION NUMBER: US/10/480,441
PRIOR PAPLICATION NUMBER: EP 01114388
PRIOR FILING DATE: 2001-06-13
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
LENGTH: 15
                                                                                                                ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
                                                                                                                ö
                                     Score 54; DB 14; Length 15;
Pred. No. 0.086;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32.0%; Score 32; DB 17; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 43; DB 14; Length 15;
Pred. No. 5.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; NAME/KEY: MISC_FEATURE
; LOCATION: (1)...(15)
; OTHER INFORMATION: Cryjl peptide, Figure 1, Row 66
US-10-354-240-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 80, Application US/10354240 Publication No. US20030185847A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 8, Application US/10480441
Publication No. US20050054016A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     43.0%;
80.0%;
                                     Query Match
Best Local Similarity 91.7%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                   9 TKNAGVLTCILS 20
                                                                                                                                                                                                                                                          1 TKNAGVLTCSLS 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 NGSAAPQLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6 NGNATPOLTK 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                        US-10-354-240-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-480-441-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                  d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                           Sequence 81, Application US/10354240

| Publication No. US20001085847A1
| GENERAL INFORMATION:
| APPLICANT: Sone, Toshio
| APPLICANT: Sone, Toshio
| APPLICANT: Wame, Akinori
| TILLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
| TILLE REFERENCE: SPO-10301
| CURRENT APPLICATION NUMBER: PCT/JP97/00740
| PRIOR APPLICATION NUMBER: PCT/JP97/00740
| PRIOR APPLICATION NUMBER: PCT/JP97/00740
| PRIOR APPLICATION NUMBER: DCT/JP97/00740
| PRIOR APPLICATION NUMBER: DCT/JP97/00740
| PRIOR PILING DATE: 1998-09-09
| NUMBER OF SEQ ID NOS: 174
| SSCT ID NOS: 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 83, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Kume, Akinori

APPLICANT: Iwama, Akinori

APPLICANT: Iwama, Akiko

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Poptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INVENTION: Poptide-Based Immunotherapeutic Agent for Treating Allergic Disea

TITLE OF INLING DATE: 1997-10301

CURRENT FILING DATE: 1997-03-10

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             67.0%; Score 67; DB 14; Length 15; 86.7%; Pred. No. 0.00064;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC FEATURE
LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (1). (15)
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Cryptomeria japonica
6 POLTKNAGVLTCILS 20
                                                    1 POLTKNAGVLTCSLS 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 NGNATPQLTKNAGVL 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 NGSAAPQLTKNAGVL 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                               RESULT 2
US-10-354-240-81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 3
US-10-354-240-83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-354-240-83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-354-240-81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                   a
```

ద

```
Sequence 7, Application US/10480465

Sequence 7, Application US/10480465

Publication No. US20050069547A1

GENERAL INFORMATION:

APPLICANT: Narmatschek, Markus

APPLICANT: Narmatschek, Markus

APPLICANT: Porsmann, U1f Jorg

APPLICANT: Paulsson, Mats

APPLICANT: Pa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Karmatechek, Markus
APPLICANT: Karmatechek, Markus
APPLICANT: Roremann, Ulf Jorg
APPLICANT: Porsemann, Ulf Jorg
APPLICANT: Porsemann, Ulf Jorg
APPLICANT: Paulsson, Martin R.
TITLE OF INVENTION: MEDICAMENT FOR TREATING TUMORS AND THEIR METASTASES
FILE REFERENCE: 0756-123F
CURRENT FILING DATE: 2003-12-12
PRIOR APPLICATION NUMBER: US/10/480,465
CURRENT FILING DATE: 2003-12-12
PRIOR APPLICATION NUMBER: PCT/FE02/06456
PRIOR PLILNG DATE: 2003-12-6-12
SOFTWARE: Patentin version 3.1
SOFTWARE: Patentin version 3.1
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       32.0%; Score 32; DB 17; Length 15; 66.7%; Pred. No. 3.5e+02; Live 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 17; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 32; DB 17;
Pred. No. 3.5e+02;
0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 10, Application US/10480465
Publication No. US200500659547A1
GENERAL INFORMATION:
APPLICANT: Armbruster, Franz Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 39, Application US/10193477
; Publication No. US20030195163A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 66.7%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 66.7
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 GSAAPQLTKNAG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 GSAAPQLTKNAG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 GLAAIQLPKKAG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GLAAIQLPKKAG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
US-10-480-465-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-193-477-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-480-465-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-480-465-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ઠે
                                                                                                                                                                                                                                                                 WESOLIO - 480-441-11

Sequence 11, Application US/10480441

Publication Wo. US20050054016A1

Sequence 11, Application US/10480441

Publication No. US20050054016A1

APPLICANT: Armbruster, Franz Paul

APPLICANT: Armbruster, Markus

APPLICANT: Paulsson, Mats

TITLE OF INVENTION: BROBLEWS

TITLE OF INVENTION: DETERMINATION OF BONE-SIALOPROTEIN IN BODILY FLUIDS FOR ONCOLOGIC

TITLE NEFERBNCE: 0756-0122P

CURRENT APPLICATION NUMBER: US/10/480,441

CURRENT FILING DATE: 2003-12-12

PRIOR APPLICATION NUMBER: EP 01114388

PRIOR APPLICATION UNBER: EP 01114388

NUMBER OF SEQ ID NOS: 15

SOCTIMARE: Patentin version 3.1

SEQ ID NO 11

LENGTH: 15
                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Astmatechek, Markus
APPLICANT: Nader, Werner
APPLICANT: Nader, Werner
APPLICANT: Porsemann, Ulf Jorg
APPLICANT: Porsemann, Ulf Jorg
APPLICANT: Paulsson, Mats
APPLICANT: Berger, Martin R.
TITLE OF INVENTION: MEDICAMENT FOR TREATING TUMORS AND THEIR METASTASES
FILE REFERENCE: 0756-1229
CURRENT APPLICATION NUMBER: US/10/480,465
CURRENT FILING DATE: 2003-12-12
PRIOR FILING DATE: 2002-06-12
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin version 3.1
                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 32; DB 17; Length 15;
Pred. No. 3.5e+02;
0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 17; Length 15;
                                   4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 32; DB 17;
Pred. No. 3.5e+02;
0; Mismatches 4;
66.7%; Pred. No. 3.5e+02; tive 0; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-480-465-1

Sequence 1, Application US/10480465

Publication No. US20050069547A1

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Armbruster, Franz Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          32.0%;
66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32.0%;
66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 32.0
Best Local Similarity 66.7
Matches 8; Conservative
Best Local Similarity 66.7
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                    3 GLAAIQLPKKAG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 GSAAPQLTKNAG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GSAAPQLTKNAG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GLAAIQLPKKAG 14
                                                                                          2 GSAAPQLTKNAG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 GLAAIQLPKKAG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEO ID NO 1
LENGTH: 15
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT; ORGANISM: Homo sapiens
US-10-480-441-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-480-465-1
```

g ò

g

```
APPLICANT: Mary Mary
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Mubert, Rene S.
APPLICANT: Afar, Daniel E.H.
APPLICANT: Afar, Daniel E.H.
APPLICANT: Raitano, Arthur
APPLICANT: Raitano, Arthur
APPLICANT: Challita-Eid, Pia M.
TITLE OF INVENTION: Buritled 158P3D2 Useful in Treatment and Detection of Cancer;
TITLE OF INVENTION: NUMBER: US/10/107,532
TITLE OF INVENTION NUMBER: 00/283,112
FILE REFERENCE: 51158-200064.00
CURRENT APPLICATION NUMBER: 60/283,112
PRIOR APPLICATION NUMBER: 60/283,112
PRIOR APPLICATION NUMBER: 60/285,630
PRIOR APPLICATION NUMBER: 60/285,630
PRIOR APPLICATION NUMBER: 60/285,630
PRIOR APPLICATION NUMBER: 60/285,630
PRIOR APPLICATION OF SECTION 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: SERFASS, LUCILE
APPLICANT: BONNEAU, ANNE-MARIE
APPLICANT: DALLARRE, FREDERIC
APPLICANT: DALLARRE, FREDERIC
APPLICANT: TRIOSEPHOSPHATE ISOMERASE DIRECTED DIAGNOSTICS AND
TITLE OF INVENTION: THERAPEUTICS FOR MULTIDRUG RESISTANT NEOPLASTIC DISEASE
PILE REFERENCE: 112418.151
                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 15;
                                                                                                                                                                                                                                                                                                                             Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                   3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 30; DB 15; L. Pred. No. 7.4e+02; 2; Mismatches 5;
                                                                                                                                                                                                                                                                                                                       Score 30; DB 17;
Pred. No. 6.3e+02;
1; Mismatches 3;
PRIOR FILING DATE: 2002-08-30
PRIOR APPLICATION NUMBER: EP 01121153.9
PRIOR FILING DATE: 2001-09-04
NUMBER OF SEQ ID NOS: 65
SOFTWARE: FASTESEQ for Windows Version 4.0
SEQ ID NO 52
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 6027, Application US/10107532; Publication No. US20040003418A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 9, Application US/10801988; Publication No. US20050026231A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30.0%;
                                                                                                                                                                                                                                                                                                                             30.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Agensys, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 NGSAAPOLTKNAG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 NGKADPYVVVSAG 15
                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                             8 LIKNAGVLTC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 LLKNYGLLYC 11
                                                                                                                                                                                                          TYPE: PRT GAGANISM: Homo sapiens US-10-488-662-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-107-532-6027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-107-532-6027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 14
US-10-801-988-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a
                           APPLICANT: Bristol Myers Squibb Company
TITLE OF INVENTION: POLYNUCLECTIDES ENCODING THREE NOVEL HUMAN CELL SURFACE PROTEINS
TITLE OF INVENTION: LEUCINE RICH REPEATS AND IMMUNOLOGOBULIN FOLDS, BGS2, 3, AND 4,
TITLE OF INVENTION: THEREOF
FILE REPERENCE: D0153 NP
CURRENT APPLICATION NUMBER: US/10/193,477
CURRENT APPLICATION NUMBER: US 60/304,888
PRIOR FILING DATE: 2001-07-11
PRIOR FILING DATE: 2002-04-12
NUMBER OF SEQ ID NOS: 229
SOFTWARE: PATENTIN VERSION 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30.5%; Score 30.5; DB 14; Length 18; 41.2%; Pred. No. 7.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30.0%; Score 30; DB 17; Length 13; 60.0%; Pred. No. 6.3e+02; Live 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 51, Application US/10488662

Publication No. US20050020494A1

GENERAL INPORMATION:

APPLICANT: Carter, Graham

TITLE OF INVENTION: Modified Human Growth Hormone
FILE REPERENCE: MER-127

CURRENT APPLICATION NUMBER: US/10/488,662

CURRENT FILING DATE: 2004-03-04

PRIOR FILING DATE: 2002-08-30

PRIOR FILING DATE: 2001-09-04

PRIOR FILING DATE: 2001-09-04

NUMBER OF SEQ ID NOS: 65

NUMBER OF SEQ ID NOS: 65

SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 12
US-10-488-662-52
i Sequence 52, Application US/10488662
i Publication No. US20050020494A1
i GENERAL INFORMATION:
i APPLICANT: Cartr, Francis J.
i APPLICANT: Cartr, Graham
i TITLE OF INVENTION: Modified Human Growth Hormone
i FILE REFERENCE: MER-127
i CURRENT APPLICATION UNDBER: US/10/488,662
i CURRENT APPLICATION NUMBER: US/10/488,662
i CURRENT APPLICATION NUMBER: PCT/EP02/09716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 AAPQLTKNAGVLTCILS 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | || ::| ||: |
5 ARPQ---DSGTYTCVAS 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 41.47
Best Toconservative
Toconservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 60.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8 LTKNAGVLTC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LLKNYGLLYC 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-193-477-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 11
US-10-488-662-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-488-662-51
                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 39
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 51
LENGTH: 13
```

ò

셤

```
ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US SEQUENCE 48069 Application US/09864761

SEQUENCE 48069 Application US/09864761

SECUENCE 48069 Application OF SECUENCE 58069 Application OF SECUENCE 580774, 2033 Application OF SECUENCE 580774, 2033 Application OF SECUENCE 580710 NOS 580774, 2033
                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                           Query Match 30.0%; Score 30; DB 17; Length 18; Best Local Similarity 42.9%; Pred. No. 9.1e+02; Matches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; CURRENT APPLICATION NUMBER: US/10/801,988; CURRENT FILING DATE: 2004-03-15; PRIOR APPLICATION NUMBER: 60/455,005; PRIOR FILING DATE: 2003-03-14; NUMBER OF SEQ ID NOS: 13; SOFTWARE: Patentin Ver. 3.2; SOFTWARE: PRIOR FILING DATE: PRIOR FILING DATE: PRIOR FILING DATE: PRIOR FILING DATE: PRIOR TYPE: PRIOR TYPE: PRIOR SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5 APQLTKNAGVLTCI 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 AHALAEGLĠVIAĊI 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 15
US-09-864-761-48069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
```

```
; SEQ ID NO 48069
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: 20
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
US-09-864-761-48069

Query Match
Best Local Similarity 54.5%; Pred. No. 1e+03;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 7 QLTKNAGVLTC 17

Qy 7 QLTKNAGVLC 17

Db 3 QLHKQKGXLSC 13

Search completed: June 20, 2005, 16:29:59
Job time: 73.4 secs
```

THIS PAGE BLANK (USPTO)

```
COMPUTER READBLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBW PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
FILING DATE: June 6, 1995
FILING DATE: December 6, 1994
ATTORNEY/AGRYT INFORMATION:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGRYT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REPERENCE/DOCKET NUMBER: 38,872
REPERENCE/DOCKET/DOCKET/DOCKET/DOCKET/DOCKET/DOCKET/DOCKET/DOCKET/DOCKET/DO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MA
USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U
ZIP: 02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 81, Appl
Sequence 80, Appl
Sequence 19, Appl
Sequence 19, Appl
Sequence 5, Appl
Sequence 5, Appli
Sequence 25, Appli
Sequence 12, Appli
Sequence 11, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                    June 20, 2005, 14:22:28; Search time 21.6 Seconds (without alignments) 69.120 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 59,
Sequence 82,
Sequence 81,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 8 Sequence 6 Sequence 8 Sequence 8 Sequence 5 Sequence 4 Sequence 5 Sequence 5 Sequence 1 Sequence 1 Sequence 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1
Sequence 1
Sequence 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-467-023-59

US-09-142-5240-81

US-09-142-5240-81

US-09-142-5240-81

US-09-142-5240-80

US-08-467-023-19

US-08-467-023-19

US-08-467-023-19

US-08-467-023-58

US-08-467-023-18

US-08-467-023-18

US-08-490-7028-25

US-08-160-604-4

US-09-160-12

US-08-160-12

US-08-160-10

US-08-10-10

US-08-10-10

US-08-10-10

US-08-10-10

US-10-115-12-431

US-10-115-12-431

US-10-115-12-431

US-08-523-10

US-08-523-10

US-08-523-10

US-08-13-13

US-10-115-12-431

US-10-115-12-431

US-08-523-10

US-08-523-10

US-08-523-10

US-10-115-12-431
                                                                                                                                                                                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-899-279-6
US-08-899-279-6
US-09-178-093B-6
                                                                                                                                                                                                                                                                                                                                                           513545 segs, 74649064 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                 OM protein - protein search, using sw model
                                                                                                                                                                                                                                                  1 NGSAAPQLTKNAGVLTCILS 20
                                                                                                                                                                                                                                                                                              BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                            US-09-202-464-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum DB seq length: 0 Maximum DB seq length: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
                                                                                                                                                                                                                                                          Sequence:
                                                                                                                                                                                                                                                                                                                                                             Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
111
111
112
113
114
117
117
118
118
118
118
22
22
23
24
27
27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       õ
```

28 28 28.0 20 4 US-10-047-403-6 29 27 27.0 13 1 US-08-089-994A-23 31 27 27.0 13 1 US-08-089-994A-23 32 27 27.0 14 3 US-08-120-365-35 33 27 27.0 14 3 US-08-912-088-9 34 27 27.0 14 3 US-08-912-202B-4 35 27 27.0 16 3 US-08-912-202B-4 36 27 27.0 16 3 US-08-912-202B-4 37 27 27.0 16 3 US-08-99-646-4 38 27 27.0 16 3 US-08-99-646-4 39 27 27.0 16 3 US-08-99-946-4 40 27 27.0 16 3 US-08-9121-16 41 26.5 26.5 18 1 US-08-121-16 42 26.5 26.5 18 1 US-08-139-340A-14 42 26.5 26.5 18 1 US-08-340-283-64 44 26 26.0 9 2 US-08-340-283-64 45 26 26.0 9 2 US-08-340-283-64 46 26 26.0 9 2 US-08-340-283-64 47 26 26.0 9 2 US-08-340-283-64 48 20 US-08-340-341-383-48 48 20 US-08-340-341-38-38-	-047-403-6 -089-994A-23 -089-994A-23 -089-994A-23 -120-365-35 -120-365-35 -130-39-35 -1312-202B-4 -1312-202B-4 -1312-202B-4 -1312-202B-4 -1312-202B-4 -1312-202B-4 -1312-202B-4 -1312-202B-4 -1312-202B-4 -1312-340-14 -1312-340-14 -1312-340-14 -1312-340-14 -1312-340-340-3 -1340-283-64 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -1883-71 -189-340-36 -189-	IENTS ins And Peptides From
28.0 20.0 20.0 20.0 20.0 20.0 20.0 13.0 20.0 14.0 27.0 14.0 27.0 14.0 27.0 16.0 27.0 16.0 27.0 16.0 27.0 16.0 27.0 18.0 26.0 9.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	US-10 PCT-09 US-09 US-09 US-09 US-09 US-09 US-09 US-08 US-09 US-09 US-08	ALIGNMENTS 08467023 in J.; ne; F.; td D; gj; i. H.; w; rgenic Proteins A nese Cedar Pollen
28 28 28 28 27 27 27 27 27 27 27 27 27 27 27 27 27	000000000000 wwooo	ication US/ for: Ind. illick, Joan Ind, Ullian rman, Richa o, Mel-Chan o, Mel-Chan ung, Siu-me auer, Andre Aley, Mark A ley, Mark A ley, Mark A ley, Mark A ley, Mark A ley, Mark A ley, Alle
	22222228 22222222222222 22222222222222	- 023-59 se 59, Appl No. 609038 No. 609038 LICANT: Po. LICANT: Ga. LICANT: Ga. LICANT: Ga. LICANT: Bo. LICANTE Bo. LICANT: Bo. LICANTE Bo. LICANT: Bo. LICANT: Bo. LICANT: Bo. LICANT: Bo. LICANT: Bo.

```
GENERAL INC. 0.127.0

GENERAL INC. 0.127.0

GENERAL INFORMATION:

APPLICANT: Knue, Akinori

APPLICANT: Knue, Akinori

APPLICANT: Knue, Akinori

APPLICANT: Knue, Akinori

APPLICANT: Kino, Kohsuke

ITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease;

TILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease;

CURRENT FILING DATE: 1998-09-09

CURRENT APPLICATION NUMBER: VS/09/142,524D

CURRENT APPLICATION NUMBER: PCT/JD97/00740

PRIOR APPLICATION NUMBER: PCT/JD97-03-10

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 83

LENGTH: 15

LENGTH: 15

TYPE: PRT

ORGANISM: CTYPTOMETIA japonica

FEATURE:

NAME/EXY: MISC FEATURE

LOCATION: (1). (15)

OTHER INFORMATION: CTYJ1 peptide, Figure 1, Row 69

US-09-142-524D-83
                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bollock, Joanne;
APPLICANT: Bollock, Joanne;
APPLICANT: Garman, Richard D;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Brauer, Andrew,
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Brauer, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 54; DB 4; Length 15;
Pred. No. 0.0087;
0; Mismatches 1; Indels
                                                                   Score 67; DB 4; Length 15;
Pred. No. 4.9e-05;
1; Mismatches 1; Indels
OTHER INFORMATION: Cryjl peptide, Figure 1, Row 67
                                                                                                                                                                                                                                                                                                                                  Sequence 83, Application US/09142524D Patent No. 6719976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 60, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
                                                                   67.0%;
86.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             54.0%;
91.7%;
                                                                                                                                                                 1 NGSAAPQLTKNAGVL 15
                                                                                                                                                                                                         1 NGNATPOLTKNAGVL 15
                                                                   Query Match
Best Local Similarity 86.7
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 91.7
Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     610 Lincoln St
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 TKNAGVLTCSLS 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9 TKNAGVLTCILS 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Waltham
       ; CIHER INFORMATION 10S-09-142-524D-81
                                                                                                                                                                                                                                                                                                         US-09-142-524D-83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 5
                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              δ
                                                                                                                                                                                                                                                   RESULT 2
US-09-142-524D-82
US-09-142-524D-82

US-09-142-524D-82

Sequence 82, Application US/09142524D

Patent No. 6719976

GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Wame, Akinori
APPLICANT: Wame Akinori
PRICANT: Wame ARIANO, ROBBER: US/09/142,524D

CURRENT APPLICATION NUMBER: US/09/142,524D

CURRENT FILING DATE: 1998-09-09

PRIOR FILING DATE: 1997-01-10

NUMBER OF SEQ ID NOS: 174

SOUTHARE: Patentin Version 3.1

LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 81. Application US/09142524D

Patent NO. 6719976

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kume, Akinori
APPLICANT: Wamma, Akiko
APPLICANT: Iwamma, Akiko
APPLICANT: Iwamma, Akiko
APPLICANT: Twana, Akiko
APPLICANT: Kino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Dises
TITLE OF INVENTION PUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: EUS/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR PILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PEL PUMBER: 1997-03-10
SEQ ID NO 8: 174
LENGTH: 15
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                              Gaps
                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                          87.0%; Score 87; DB 3; Length 20; 85.0%; Pred. No. 2.4e-08; tive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 70.0%; Score 70; DB 4; Length 15; Best Local Similarity 93.3%; Pred. No. 1.5e-05; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)...(15)
US-09-142-524D-82
                                                                                                                                                                      1 NGNATPQLTKNAGVLTCSLS 20
                                                                                                                                        1 NGSAAPOLTKNAGVLTCILS 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 POLTKNAGVLTCILS 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 POLTKNAGVLTCSLS 15
                                          Query Match
Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: MISC_FEATURE LOCATION: (1)..(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-142-524D-81
US-08-467-023-59
                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ð
```

```
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Brauer, Andrew;
APPLICANT: Applicant: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         43.0%; Score 43; DB 3; Length 16; 80.0%; Pred. No. 0.75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM ITEE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: BM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATE: US/08/467,023
FILING DATE: Unne 6, 1995
CLASSIPICATION NUMBER: US/08/467,023
FILING DATE: December 6, 1994
ATTORNEY PAPEL CATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY DATE: December 6, 1994
ATTORNEY COCKT INVORER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPRAICN (617) 227-7400
TELEPRAY: (617) 227-5941
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches
                                                                              Sequence 19, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 58, Application US/08467023
Patent No. 6090386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Garman, Richard D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 NGSAAPQLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7 NGNATPQLTK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-023-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-467-023-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Sone, Toshio
APPLICANT: Sone, Without
APPLICANT: Wine, Atinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwana, Atiko
APPLICANT: Iwana, Atiko
APPLICANT: Iwana, Atiko
APPLICANT: Iwana, Atiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disea
FILE REFERBNGE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT APPLICATION NUMBER: PCT/UP97/00740
PRIOR APPLICATION NUMBER: PCT/UP97/00740
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
43.0%; Score 43; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.7;
Matches 8; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 3; Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REPERRENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1). (15)
COTHER INFORMATION: Cryjl peptide, Figure 1, Row 66
US-09-142-524D-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 44; DB :
Pred. No. 0.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-142-524D-80
Sequence 80, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Cryptomeria japonica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 90.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NGSAAPQLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11 NAGVLTCILS 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 NAGVLTCSLS 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6 NGNATPOLTK 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: MISC_FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-467-023-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
```

g

ö

g

```
Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 NGSAAPQLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7 NGXATPOLTK 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-07-961-724C-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-773-008-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 4, Application US/08773008

Sequence 4, Application US/08773008

Patent No. 5874401

GENERAL INFORMATION:
APPLICANT: SANOU Geamu
APPLICANT: HINO, Kateuhiko
TITLE OF INVENTION: PROTEIN, PROCESS TO PRODUCE THE SAME,
TITLE OF INVENTION: AND USES THEREOF
CORRESPONDENCES: 5
CORRESPONDENCES: 5
CORRESPONDENCES: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: USA
                              APPLICANT: Brauer, Ark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Exley, Mark A.;
APPLICANT: Dowers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESSED INDEXESS:
ADDRESSEE: Immulogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 43.0%; Score 43; DB 3; Length 20; 80.0%; Pred. No. 0.99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Indels
                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REGISTRATION NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMpatible
                         Yeung, Siu-mei H.;
Brauer, Andrew;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
Kuo, Mei-Chang;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 NGSAAPQLTK 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11 NGNATPOLTK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-467-023-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 9
US-08-773-008-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ð
```

```
APPLICANT: CHAMECH, MUSTAPHA
APPLICANT: CHAMECH, MUSTAPHA
APPLICANT: CHAMECH, MUSTAPHA
APPLICANT: CAPRON, ANDRE
APPLICANT: TARTAR, ANDRE
APPLICANT: TARTAR, ANDRE
APPLICANT: GRAS-MASSE, HELENE
TITLE OF INVENTION: INMUNOCECUS GRANULOSUS, DNA SEQUENCE CODING FOR THIS
TITLE OF INVENTION: PEPTIDE SEQUENCE AND DIAGNOSTIC AND THERAPEUTIC
TITLE OF INVENTION: APPLICATIONS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         42.0%; Score 42; DB 2; Length 16; 80.0%; Pred. No. 1.1; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1755 S. Jefferson Davis Highway, Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CMDIUM TYPE: Floppy disk
CMDIUM SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRATIA APPLICATION DATA:
APPLICATION NUMBER: US/07/961,724C
YSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Version #1.30
           SUFFRARE: Patentin Release #1.0, vers
SUFFRARE: Patentin Release #1.0, vers
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/773,008
FILING DATE: 24-DEC-1996
CLASSIFICATION: 530
PRIOR APPLICATION NUMBER: US 08/354,815
FILING DATE: 08-DEC-1994
APPLICATION NUMBER: US 347017
FILING DATE: 20-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SANOU=1
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAX: 202-737-3528
TELEFRAX: 226-2737-3528
TELERX: 246638
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
TENERY: 16 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/07/961,724C FILING DATE: 10-MAR-1993 CLASSIFICATION: 435 PRIOR APPLICATION DATA: PAPLICATION NUMBER: FR 90/08900 FILING DATE: 12-JUL-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5, Application US/07961724C
Patent No. 5541078
GENERAL INFORMATION:
APPLICANT: FACON, BRIGITTE
APPLICANT: CHAMEKH, MUSTAPHA
APPLICANT: DISSOUS, COLETTE
```

```
APPLICANT: Selz, Karen
APPLICANT: Shesinger, Michael
TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of the TITLE OF INVENTION: Punctions of Receptors and/or Other Proteins
FILE REFERENCE: 01561-0002-00US00
CURRENT APPLICATION NUMBER: 02/09/490,702B
CURRENT FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 96
SEQ ID NO 25
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:

APPLICANT: TODACK, F. GARY
APPLICANT: Lieske, John C.

TITLE OF INVENTION: METHODS AND COMPOSITION FOR DETECTING
TITLE OF INVENTION: CRYSTALS TO KIDNEY DISEASES ASSOCIATED WITH ADHESION OF
TITLE OF INVENTION: CRYSTALS TO KIDNEY CELLS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSES: BRINKS, HOFER, GILSON & LIONE
STREET: NBC TOWER - Suite 3600, 455 N. Cityfront
STREET: Plaza Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                 Score 30; DB 3; Length 17;
Pred. No. 1.5e+02;
2; Mismatches 3; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 29; DB 4; Length 15;
Pred. No. 1.9e+02;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NS-09-490-702B-25
Sequence 25, Application US/09490702B
Sequent No. 6560542
GENERAL INFORMATION:
APPLICANT: Mandell, Arnold
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 12, Application US/08837226 Patent No. 6043216
                                                                                                                                                                                                                                                                                                    30.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29.0%;
60.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 60611-5599
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) NAME/KEY: misc feature
; OTHER INFORMATION: synthetic
US-09-490-702B-25
                                                                                                                                                                               ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
                                                                      Query Match
Best Local Similarity 60.0
Matches 6; Conservative
         17 amino acide
                                                                                                                                                                                                                                                                                                                                                               5; Conservative
                                 TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                            8 LTKNAGVLTC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                              | :| | :||
8 LLRNLGKMTC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 SAAPQLTKNA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SADPRIHKNA 14
                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 5; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Plaza Dr
CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 13
US-08-837-226-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                             US-08-160-604-4
                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 11
US-06-160-604-4

i Sequence 4, Application US/08160604

i Sequence 4, Application US/08160604

i Patent No. 622552

i GENERAL INFORMATION:

APPLICANT: Harley, John

APPLICANT: James, Judith A.

TITLE OF INVENTION: PEPTIDE INDUCTION OF AUTOIMMUNITYAND CLINICAL SYMPTOMATOLOGY

NUMBER OF SEQUENCES: 127

CORRESPONDENCE ADDRESS:

ADDRESSEE: Patrea L. Pabst

ADDRESSEE: ADDRESSEE:

'ANDRESSEE: ADDRESSEE:

'A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 30; DB 1; Length 14; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/160,604
FILING DATE: 30-NOV-1993
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:

NAME: Oblon, No. 5541078man F.

REGISTRATION NUMBER: 24,618

REFERRENCE/DOCKET NUMBER: 660-065-0X PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 413-2220

TELERAX: (703) 413-2220

TELERAX: 248855 OPAT UR

INFORMATION POR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 1100 Peachtree Street, Suite 2800 CITY: Atlanta
STATE: Georgia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: US 07/867,819
FILING DATE: 13-APR-1992
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/648,205
FILING DATE: 31-JAN-1991
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 07/472,947
FILING DATE: 31-JAN-1990
ATTORNEY/AGENT INFORMATION:
NAME: PADSLE, PATERA L.

REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: OMRF114CIP(3)
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (404)-815-6508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (404)-815-6555
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                       LENGTH: 14 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; FRAGMENT TYPE: internal US-07-961-724C-5
                                                                                                                                                                                                                                                                                                                                                                  single
                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 AAPQLTK 10
                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
```

g

```
Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 18, Application US/09537226

Sequence 18, Application US/09537226

Sequence 18, Application US/09537226

GENERAL INFORMATION:

APPLICANT: TOBACK, F. GARY

APPLICANT: LIESKE, JOHN C.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING AND TREATING

TITLE OF INVENTION: KIDNEY DISEASES ASSOCIATED WITH ADHESION OF CRYSTALS TO

TITLE OF INVENTION: KIDNEY CELLS

FILE REFERENCE: 21459/90606

FILE REFERENCE: 21459/90606

CURRENT APPLICATION NUMBER: 08/389,005

PRIOR APPLICATION NUMBER: 08/389,005

PRIOR APPLICATION NUMBER: 08/389,005

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PATENTING DATE: 1955-02-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Description of Unknown Organism: Comparison ; OTHER INFORMATION: sequence US-09-537-226-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 28.5; DB 3; Length 20;
Pred. No. 3.2e+02;
2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 28.5; DB 4; Length 20;
Pred. No. 3.2e+02;
2; Mismatches 4; Indels
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/837,226
FILING DATE: 08-APR-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/389,005
FILING DATE: 15-FEB-1995
FILING DATE: 15-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Martin, Alice O.
REGISTRATION NUMBER: 35,601
REGISTRATION NUMBER: 312-321-4200
TELEPAN: 312-321-4200
TELEPAN: 312-321-4209
TELEPAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 101, Application US/08340283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 53.3%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 28.5%;
Best Local Similarity 53.3%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 GSAAPQ-LTKNAGVL 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GATLPÓPLYQTAGVL 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 GSAAPQ-LIKNAGVL 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6 GATLPOPLYOTAGVL 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Unknown Organism
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 15
US-08-340-283-101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-537-226-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 18
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       쉽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ठ
```

```
Gaps
GENERAL INFORMATION:
APPLICANT: Elhammer, Ake P.
TITLE OF INVENTION: A SCINTILLATION PROXIMITY ASSAY FOR
TITLE OF INVENTION: N-ACETYLGALACTOSAMINYLTRANSFERASE ACTIVITY
NUMBER OF SEQUENCES: 205
APPLICANT CARESPONDENCE: 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                              ADDRESSEE: Pharmacia and Upjohn, Inc., Intellect. Prop. Law
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28.0%; Score 28; DB 2; Length 9; 55.6%; Pred. No. 4.1e+05; Midels
                                                                                                                                                                                                                                                                                                                                                                                           PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Ve:
CURRENT APPLICATION DATA:
APPELICATION NUMBER: US/08/340, 283
FILING DATE:
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: Wootlon, Thomas A.
REGISTATION NUMBER: 35,004
REFERENCE/DOCKET NUMBER: 4828
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Search completed: June 20, 2005, 16:00:55 Job time : 22.6 secs
                                                                                                                                                                   ADDRESSEE: (1920-32-1)
STREET: 301 Henrietta Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 224401
INFORMATION FOR SEQ ID NO: 101:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (616) 385-7914
TELEFAX: (616) 385-6897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; FRAGMENT TYPE: N-terminal US-08-340-283-101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 55.6
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 APQLIKNAG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sir
TOPOLOGY: unknowr
                                                                                                                                                                                                            CITY: Kalamazoo
STATE: Michigan
COUNTRY: U.S.A.
ZIP: 49001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 APATTRNTG
```